

SEQUENCE LISTING

<110> Horrigan, Stephen

<120> Cancer Gene Determination and Therapeutic Screening Using Signature Gene Sets

<130> 689290-73

<150> US/60/236,033

<151> 2000-09-28

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<160> 583

<170> PatentIn version 3.0

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1515

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<212> DNA

<213> Homo sapiens

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<211> 266

<212> DNA

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ggcatctaca gggtcattcg aggaggaaca gattcaagct ttcggacgat cagtgttttg 180

taaatagcag catcatcaga tctaagacaa cattggacct ggcagggcct tttctttggg 240

tggcattaat tactccagat tcagac 266

<210> 15

<211> 287

<212> DNA

<213> Homo sapiens

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atattcttaa gagtagcgat caggagttaa acaacaaatg taaagtgggtt ttctctaaag 180

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<210> 27
 <211> 454
 <212> DNA
 <213> Homo sapiens

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<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 27
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acaacagagc agggctgggc agcagaagac gttaaaaccc aaatcccgac agaggcacag    120
acctgcacat gcgccacacc cacacacata ctgaggggac tgacaggaca catgggacac    180
agacccgccc tgctgtgnc agagtccctgt ccaaggcaat ggcgtaggct gcgctcagtt    240
catccgagtc ctcctccagc tcaactggtcc aggcccaagg atgggagagg ctttgagtct    300
agaccttgta cagcgtctgc agcagactgt ggcgggagaa ggagcaggat tccagggcgc    360
tgttgggctt ggtcacgaac gccagcagca ggggtgcaag ggccttgggg aaatagtcct    420
gctgcaccat gtggttcagc gccatcaggg ggcc
                                         454

<210> 28
<211> 329
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 28
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cacactggca aggcactggc ggatntgggc agggcagttg gacatggata gatgagaatg    180
acaactcaca gatgtcctag cttctgctgg cccagctgcc ancactgnca tcaccctttt    240
gcccagcatg tgtgcattgt caccctaaac atcttgaaac ttgccattag tgaggcattc    300
aacaagaag taagctaagt gagtaggaa
                                         329

<210> 29
<211> 427
<212> DNA
<213> Homo sapiens

<400> 29
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caggctgata ccgaactccc gacctcagggt gatccgcctg cctcagcctc tgggattata    180
ggcgtgcact tgcgccagc ctccagtttt cttttcttta gagcagcggg tttaaatcct    240
tttggttcca agttctctga aaatttacta tgctctccac aacaagagct cccattttcc    300
acagacacag tcaatgtcag tcagcttgta ttcaggagga cagggcagag ggatcccagt    360
ggcacttccc atgggaagac agaagagagt gggccccaga gatggaagga cccagtgctc    420
atcacca
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<210> 30
<211> 426
<212> DNA

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<213> Homo sapiens

<400> 30
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caccacagtg gctccgggtt attagttact gtgggctggt cttggtcaga ggcattctgca 180
gctggagtca cagctggact tgcagtggac gtggcagtggt ctggggaggc ctgggatggt 240
cttggagggg gatcgcttgc tgagacagac tggaaatact gcacagtcca ggcgatcaat 300
atggatagca gaaagggtcc cagaaagtag atcagggctg agtgcaggat agcaccaccag 360
agaagccgca agtgcaggta aagccaggcc aaggagcagg ggtgaagga ctctctgtta 420
ctgtga 426

<210> 31

<211> 456

<212> DNA

<213> Homo sapiens

<400> 31
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aggtgaagcc cctccccaca catacactcc ggtggatgtg agcgagggtc ctgttgccac 180
atctgggggtc aggggcttgg acatgctgcc cttcatggga accttctggg tacctctcag 240
cacagtaacg cagctgcagt ctgtcggtgg gggcccaggc taggggcagc accctctttt 300
ggcatacggg acatgcctgg ctgcagctga tgtccgttag cctctcctga cagcagtaa 360
ggagacctgg aagtgaggcg cgtgggcgtg gagttcccg tggagcttgc tgcacagcc 420
tttcttgcca ctctggggtc agtgaagtct ttcccg 456

<210> 32

<211> 386

<212> DNA

<213> Homo sapiens

<400> 32
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ctgtgtgtgt ggggtgtggt ggggggtatc atttatagca tactgcaaata ataaactcaa 180
ttcttgagct atattaacaa cactgagcaa caatatttct ttctaaaatt ttcttttctt 240
taaggcagat ctgtttatta ctaacatggt gcagtgtagt tttagttaaatt ttactatttt 300
agttttctcag tgacaataac acagatgggtc agaaaacagg caacaaaatc tcttttctag 360
ttcctctacc tggccaccat ttaaaa 386

<210> 33

<211> 240

<212> DNA

<213> Homo sapiens

<400> 33
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gtataacctgc tcacagcata aagtatttca tgacatactt gtaagagtca gtgttctatg 120
aattcactag agaagttaca gcattttgat tatgatacac gaaaagaaac ccaagtcatt 180
tagcttaact ccttaatttc ataaaccaga aaactaaaat ccaagataga ttgggtgact 240

<210> 34
 <211> 427
 <212> DNA
 <213> Homo sapiens

<400> 34
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 ctcacacctt cacaacagct acaaatacctt ggaccagcca gggacagacc aactccaggg 180
 ttctctgaca acagaagtcc tggaaaggct ctgcactcaa aacaaacccc tacaccaccc 240
 caagggaggg ggattgttcc aggttcgggg agacgctaaa agaaattgaa cctaaactct 300
 tcatcaggca tgtccagagt ggctttggct ctccatatag agcgaggcct gcagaccctt 360
 tggctcttct ttctggtggc tccatctaca ggttgcacct gggctgaata agcagcagct 420
 ctgagag 427

<210> 35
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 35
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 caaaaatcaa acattctaag cttctttcta tgaatatctt ccagaccaag attattcatc 120
 tcatgggtttt aaaggacaga atttcctgga gaatgttggc cctctttagt gtgctactgc 180
 agcaaagttg aaacaatcat acgtcagacc aaaatacaag tcagttcttc agttttcact 240
 aattaaaatt aactctgtct aaataaatca actcttacca ccttcaggat tcatatctca 300
 agtaagagac attcttactg accaataaca caaaatatcc caccctcagc actaggatcc 360
 tcagttttga attctttcaa ccatttttgt caaaagcctt gctgtagcca ggtgtggtgg 420
 cacattcctg taatctcagc tactcgggag gctgaggagg gcagatccat tgtccc 476

<210> 36
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 36
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 gctttgctgg cagaataatt gtctaaattc tagaatatgg gaaacaggtt tttttctgga 180
 ttcattctttt tttttcattt tttttttttt acaaaaaaaaaa tttacaagtg aaatgttact 240
 acaaaaacttt ttataaggaa tttttgcaaa acattttacat tttaccatca actatttctg 300
 ttttaaaatc attatgtaga tttaataccc tatgctgcac atcaatttat gtgggatgac 360
 aacttagtga catgcataaa aaaacaccac aaggcattaa aatggagact taaatacaaa 420
 tattgttg 428

<210> 37
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 37
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 aaaatgattt gctattgaca agtctcaaat ctgtcatggg aactcaaaaca agttaccagt 120
 ctgttcaccg ttcattgtat tctataaaat atttgataac agtcacccac tacagacatt 180
 cttttccctc gtg 193

<210> 38
 <211> 421
 <212> DNA
 <213> Homo sapiens

<400> 38
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 cattaagtag tagtagaaat acggtgaggc cctgagactg gcctggtgag cgaggaaagg 180
 ccgctggggc gttccactct gcaggccggg gctgaaataa cccgagttcc gttctcacag 240
 aaagggtgagg ctgccacctc ttgacacaga ggcgggatgg gcagggtgtc tcgatggcca 300
 ggccgtatca gggtagaacc gcagcagtg caggggcttc ctcaaggaca aatggctaaa 360
 aatgtcacgg tgaaaatgtc atccccaaag agttcgttct ccctagaccc gtgggggcaa 420
 c 421

<210> 39
 <211> 530
 <212> DNA
 <213> Homo sapiens

<400> 39
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 caacgccgcc tgettcccat cgctgccgcc gccactgaca ccttcaccat ggccacctag 180
 cctgacttga agaggaggat tgcaacttga cccaagtaaa aatagatgaa gtgctttgtc 240
 tcgtgtgtga cgtagctgcc aaaatttcgg ccacgatac aatgccagggt agggttatat 300
 ttcttgtcaa attccttctt gatataggca gcaatgtcct tctctatatt gtacttctcc 360
 atggcctgcg tggcgcagtc aacggcatcc tgttgcatgt cctcagacat gtctgcgttc 420
 ttgatcactg ctttcgggtc agacatggtg tgacactaca gaaggagcag agaggtaagg 480
 ctgacaactc cttgctctgg gcagtgaaca ttagctgctg ggtgtgggg 530

<210> 40
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 40
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 tacataaaca tataacagat atgctctaca tgtgtaattt aagtacatta atatgagcat 120
 tctttatggg tatacatcat ataaaaataa atcattttca tactttttta aatgttggca 180
 ctgtaagtca caagaatgag ctactcagtc agtctcccta tttcaggaag cctttgcatg 240
 gaaggacaga gtctctgtga agttctctgg gaagtaaagg aggcgctgat agggactgaa 300
 ggctgcctta gctcagaaga gctcaaggca acagggcaat ttggggagag tcacaggcac 360
 aggaagggcg tagatagaag atacgtaaaa tcaaatcagg aagttttgtt atattgtt 418

<210> 41
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 41
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 gatcacccga gaggcagga cgtggcggcg aggggcctg gaaatctcca gataccaaag 120
 ctggaagggc gtggagtctt ctccagttct cctagtttac agatgttggtg acctaggctt 180
 acaatgggccc tggggtctga aagcgggacg tgggctgcgg ggggtcaaaga gccgggttgg 240
 tggaggtcag cgccaca 257

<210> 42
 <211> 510
 <212> DNA
 <213> Homo sapiens

<400> 42
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 cccgctcccc acccctccca gtcctgcct caccagaac tggagtgaag gccaggggc 120
 aggaccaggg tcccataaag cttgcccttc ccccaacct tccttccctc aaagtggcaa 180
 ggtagaaaaa aaattaacta tgttggttct cctggcact ggataaaggc cccactgcag 240
 ccaaggagaa agaggggggt ccaggctccc ctcccaggca gagaagctgc cgtggctggc 300
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 ttccctttta cctgacatat ttatatattt acagttatta gggagggaag gacatctggg 420
 gtgacatcag ttctgcaaag gcagggaata aaagccaaat agcaccacca tctgggtcac 480
 attttcctgc ctctagctt ctaaaacctt 510

<210> 43
 <211> 392
 <212> DNA
 <213> Homo sapiens

<400> 43
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 atctctgggc catacagtca ggtggttcca aggaagaaag aaagcacaga gagaagaagc 120
 tgcgtaagga gtctgagatg gaccttcctg aacataagga gccgaggtgc agggatcccg 180
 accaggatgc caggagcaga gacagggtgg ccgaagtcca caccgctaag gagagtcctc 240
 gtggggagag ggacagagac agacagaggg agaggagaag agacgcaaaa gaccgggaga 300
 aagaaaagct gaaggagaga catcgagagg cagaaaagtc tcacagcaga ggaaaggaca 360
 gggagaaaaga aaaagacaga agggcccggg ag 392

<210> 44
 <211> 394
 <212> DNA
 <213> Homo sapiens

<400> 44
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 aaaataagca aaagacatta ataaacattc ttccaaagag gatatacagg tggcaactag 120
 atacaagatg ttcaaagtgt caataccata aaataccaga aaaatgcaat aaaatcacag 180

acagatgcta ttatacagct attaaaacaa ctaaaattaa aaagactaac cataccaagt 240
atggcaagaa tgtagagaaa taagaagggtt cacatactgt tgatgagaat gcaaattgga 300
cagttagggtt atagtctggc cttgtcttta aaagtgacgc attcacgtac actgtactac 360
tgaccaggga gaaataaagc atttctgcat atta 394

<210> 45
<211> 340
<212> DNA
<213> Homo sapiens

<400> 45
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gggtctccct gtgctgcttc cttctgtgtt ttctagtctc tccccagggt gctgcccagg 120
gccctcagga actgagtgtg ggcaagacac tgctgggcca gagggcacga cggccacgtg 180
ggcccgtatt gcccaggcca tttggcagtg cagagccccc ccagcctcca gcaggagccc 240
cctggcatga gctctccctt caggggtcct gagcaacgtc cctgccagggt ctggtgggtg 300
gcagcggggg ggcagacacc tcgctgaggt cctgcagcag 340

<210> 46
<211> 418
<212> DNA
<213> Homo sapiens

<400> 46
acaaagcagc accttggttt actgagggtg gaaaatagga agtccgctcc ctgcctcacc 60
cctcttaagc atcaaagctc agacgtcagc gggacttgaa gagtctcagc ctgggcagtg 120
cagtcacaac acctgggttt ccagccgccc gagttccttg accacaagat caatgttaat 180
aattgggtta aagtacaggg ccagtaaaa caaacagttg caaacaact gagggatgag 240
gggccagaac atggccacaa aaagcccttg cgttgatact ttccagaaat ggctccacat 300
cctctgaggc acggctcttc gttcaactct cgaccagatt ctccaaaagg agaataattc 360
cagaactgag agtaacatag cattgatgat gagaaaccgt gatgtccagt aatggacc 418

<210> 47
<211> 453
<212> DNA
<213> Homo sapiens

<400> 47
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atttactttg aaaaaagagc ttactgtgt gtggttgtca tacacattct tctacccaac 120
catggacctc tttcttcttc tcaggcgcac ttcattctaat ttttttagca ctggcctggc 180
ctttttggag gaggtggagt agctcttcag aaaggcttca aacacagttt cagtgttggg 240
atgggtactg aggaaggcct tctccaggac atagaggtct actcccttat cctctggaag 300
tgctgaaatg aaactcagcc caaagtctat gagcacaatg ttcagctgtt ccaggggggg 360
tttcaggagc atgttggagg tggtgagatc accatgaatg aggtcttcat cgtgcattcg 420
agccaaaacc tgcccaattg tcttggtctaa gtt 453

<210> 48
<211> 411
<212> DNA
<213> Homo sapiens

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<400> 48
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tattttccatt gcatattcca catctattta ttttcacttt tatttattat cattattttt 120
cacaaaggta caaggaatth cagaaacaac attaaaacaa tcattcaaac tgtttcaggc 180
acggtttcaa ttaaaagcat agatttgatt tctgacttcc tgtttccttc tatgatacaa 240
tctcaagttt tgtttcagga agcacaatta ttgtagcgtt aaggtggata cctgccaaag 300
ctcatctcct agtgctgtcc tcattctcag aaagttcctg agtcaacaga aaggggacgc 360
ccagggtatg gaataaggag atgagagcat gctctgccaa ctggctggga c 411

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<210> 49
<211> 269
<212> DNA
<213> Homo sapiens

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<400> 49
tttttttttt tccagagaga ttaatacaca gattaatata caaaactttt gtaaatagca 60
ttccagttca aagttgcttg tgatcatagc cacgtgtgaa ccgttagaca agtgtatgct 120
atgccccaaa atgttttata attcttcagt gcagtttctt actgatgttt cccttaaaat 180
taaggcttaa tgaaagagaa atccatagta ttatgaactg attttcttta gcttctgaat 240
taagtgcact ctttccaaaa tcaagtggg 269

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<210> 50
<211> 174
<212> DNA
<213> Homo sapiens

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<400> 50
tttttttttt tttttttttt ttttttcacc atttgggacg tctttattat ggatccgtcc 60
actcttcag gagcagtagc ccttctaaga aaggggtggg aagaaaacca gcttaccctt 120
caagctgact taggatgcaa tggtagagac accagccttg ggggaggggt ctcc 174

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<210> 51
<211> 296
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> n=a,t,g or c

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<400> 51
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tgcagctcaa gccagctga gtgaggcaaa gnagcgatac cagcaggga atggaggngt 120
gacggaaaga accagactcc tctctgaggt tnnngaagaa ttagaaaagg taaaacaaga 180
aatggaagaa aagggcagca gcatgactga tgggtgtcct ttggtgaaga ttaancnnng 240
cttnncanaa ctgaagcaag aanctgtagn gatggacatt aganttggca ttgtgg 296

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<210> 52
<211> 409
<212> DNA

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<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 52
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ctttgagttg cctgatatagac atccaagggg agcagtcagt ttctaagcaa aagactgcgc 120
ttttgtggac agtcctgtgg cagaggattg gaatttgga gccattggca tgtagggtggc 180
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ggagaagact agtgactaag ttctgaggca agaccctcca gcgtgtagat ggcaagcaga 300
gcaggaagcc atttatgact gaggaaggag accactgatg gccaggggag cngaaaccng 360
gggccatgta attgtcacca aaattaaggt agcatgcatn gggttttnt 409

<210> 53

<211> 332

<212> DNA

<213> Homo sapiens

<400> 53
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gaagtgaaca aaaagtactg gtcaactttt aaaatatgag tggatgaac acaatgcagg 120
aaagagacta aagttgaaga atttcttttc atcaggccac ccaagtattg caaaccagaa 180
aaaaatttta atataaactg ttgcaatcct tacatcttta tgcaatttat ttggaaaagt 240
caaataattc cattacaaat atatttggtta aaaaccttat aaatttaact tataaattcc 300
aaattagtca attatattat ttcagagtct ga 332

<210> 54

<211> 395

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 54
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cagaaaaaaa atagggaggc tggtagatca tcacatatat agtagctaaa atatgaaagg 120
ccaggaattt tattattaat gaagtcataa aacagactta accaaaagtg tgtgctagga 180
aacaagcagt ttcaacttcag agacttcatt gcaggaaccc agtttcctta tgtggaaaaa 240
agtgattata aataacagtt atctgaaagg tgggtgagag gattaaatga gatcacctat 300
gcaaacaat acatgtaggt atgaaagacc atccgtcctg ggggtngtgg aaagttaaag 360
tttcccnc cagaacccttc cctttaaggg cctta 395

<210> 55

<211> 271

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 55
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agtattcaag ttctaatttt taagggtgctg tagagaaaca taaaagattt cactgtatcn 180
aaaaatatga ctgttttgat cttaagctat acattttatt tttatctaac tgattaagac 240
ctggcctctt aatgaggcac atttttgggc a 271

<210> 56

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 56
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tgttggttat caccggttaat taatttaaaa ttgtgggtta ttaatatatt aagttactct 180
catattatat tttattaatt ttttcttatt taaaaagctt gtctctgcca ctccctgtgt 240
gacctgggca agtcatttta cctctaagag cctcaaattt cctcatctat aaagtggaaa 300
tataaataca aagcttgtag aaatgtcagg aaaataaata aattaaatgc caaatagtca 360
atgagggata ttaggcaaag gccagttttg gtgggcattt taacctatgg agactcagtg 420
cctctgtgtg tccattatc acctccaaga catcctggca acaccaccgc tg 472

<210> 57

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 57
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aacagtgtct tgaagacatt ctggacacat cgtatacagc acagccattc aaatcaacgg 120
caacagaacg cacgaagaac ctggttttct ttcaaagcat gagcagttct cattttacaa 180
catgtgtttt aacataattc agaaagtgca atctttgcat gacaaccaga taattctcaa 240
aggttactag tgagctgata aaattaacgt ttggcaagga ggtcatgggt tacaggtagg 300
ctgtccgctc accaatgtct agaaaaattc agcagaacat acttttcata tttagatccg 360
aagagaggtg agagacattc tactcaaagt catgggctgg gctttctgtc ctccaaacga 420
aattgggcag gncattttgc tggtttctct tgggataaag ttcccttat ttaatcantg 480
gtgcaaaaaa tctnngcat t 501

<210> 58
 <211> 430
 <212> DNA
 <213> Homo sapiens

<400> 58
 ttaaggttct tatccagctc ttttatttca cagatgggaa aataaggcac tgtccaagta 60
 acacacagtg acagtggcaa agtcgtgctt gcttcccagg tccctgacct cagacaaggg 120
 tgttctctcc cattaaatgc ttttttctcc tcatcttgct ccattttcct atcttgaggc 180
 aagagattaa caatctaaat tccaatccta gttctgacac tgaccaatga aataaacatt 240
 taggctgggt gtggtggctc acacctgtaa tcccatcaag gcaggaggat cacttgaggc 300
 caggagttca acactagtgt gggctacaaa gcaagacccc cgtctctaca gaaaattttg 360
 ggtgctgtgt acctatagtc ccagctactc tgtaggcgga agtgggagga tcgtttgagc 420
 ccaggagttg 430

<210> 59
 <211> 545
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 59
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 ggttacaaaag acaagaaggc taggctcacc ctcgagaggc ttacagtcta atagagagag 120
 acacactcac aggtaacaaa aatacaaggc aaaatgaggt gagctctatg gcagaggcaa 180
 aaacaacggg agaacagcga gcagagatag atcagacata tctcagcaga tcagatgttg 240
 gatgcaggga gtgacgtttc agccaggctc tgggaggtgg gtcggattcg cacagggtgaa 300
 ctggaaaaaa gaggacacta aggcacaggc aaggatataga ggtgggaaag tgcaatgaat 360
 gttcagagaa cagagatgcc tgccttgacc aatacatagg aggccaacag gataacagag 420
 ggacctaagc tggggaagtg gtttcaggcc agatggtgtg atcgctcgta gtaggatttc 480
 nttccttcct tccttccttc ctttttttcc aatgaaacaa gccttgatct acccccaggc 540
 tggag 545

<210> 60
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 60
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 agaactgctt tcctgttaga tacaaaattt atttttaaaa taaataatta tattgacctt 120
 taccatcact tgtctaaatt ttactcatgt ttattgtcga agacacagag gtgaattaga 180
 agagtatata attatacatt gtcaaataaa gcgaagggtt ccttatccaa atagagagaa 240
 tatatatgtg attacttaat ataaagcaaa agctattttc accaaagaac agacatgcag 300
 ttattg 306

<210> 61

<211> 164
 <212> DNA
 <213> Homo sapiens

<400> 61
 gcattat⁶¹ttt aagatcttta ttattaagta actcactggg gttgtcaaag tatgttataa 60
 aattacacag ataattagag atatatgtta catagaaatg ctgattttac actctcttct 120
 gagtacaagc atttgattac agaggctcat agcacaacaa aatg 164

<210> 62
 <211> 410
 <212> DNA
 <213> Homo sapiens

<400> 62
 taattt⁶²gtat aatttattag aagcttctta ggaactatat ttaagccaaa tatctacata 60
 agttacaaca gaaaaagact gacgccgcaa ataccaaact gccaaataat atacacagat 120
 ttgtcaatgc ccataaaaaa tgtgaagggc tggggactgg gagtgggttt tctttttaca 180
 acaaaatgta cagattacta aaaactagggc atttagtcca acttttgaca gcgttttaca 240
 gctacaagtt cacattaaac aaactatttc gcggagggcg gtcgcgctga gcctaggcgg 300
 ccagaggggtg cggggaaggg gcacttcctt tgtgtcagtg acaagtgggt tatgttgaag 360
 actctttcct ctccccagct cccggcctcc cttcaaaaaa aaaaaaaaaa 410

<210> 63
 <211> 270
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 63
 cacggctcct gttttattgc cttcgggtgt ccggagcacc tgactgcccc ggggtcta⁶³at 60
 aatttaaggt gccgagaaca ggtcaggaca aggggtcgca aaanaggggc tgggggcagn 120
 tggttacaaa atatacccc accccacaa⁶⁴c aaacaggcta gaggagacca gcctggctgt 180
 gtcggggangg ggcgggcaga gggcgcccga ccagccttca gagagacaga gccacggcca 240
 gcgccccaga gggagtggcg gagacaggac 270

<210> 64
 <211> 322
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 64
 tttttttttt tttttttttt tttttttggg tggggagtac ggantttatt ttattgttct 60
 gcgtctgggt ttggttcctt ggacgtcacg gttcctggat ggggggtgggt ggggtcccact 120

ccctaagtca tgggtcccacg ggcctnttgg gatttttttc caggttcaaa gtgcactgag 180
aaagcttcac agttttaata cttcctagat gctcaactga ggcaaagtga caaaatggcc 240
ctccaccccc cgcccgccac aaaantaaaa tcccaagccc ctggnagctg ctgctcagcc 300
cttatgaaaa aataatacaa ac 322

<210> 65
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 65
accacgggac nttttttaag tttattctag ggtgagtggg tgcccaaggg gggcagttga 60
gtatggccga ggtcacctgg tggcaggggtg ctcagggatg gccacagggt ctatagggcc 120
ctgcagctgn aantctctag tcagttggga tgcttcacct tctgccccac cccaaggggt 180
ttgggcaatn catggatgta gtagttttcg taattcgag ggatcagtga tgggcactga 240
gcaggcttga ttctcacaca catatgcagt ggcctgggtc ttccaaccgt cggaggggtac 300
tcaggaaagg cancttgccg gacaagaagc 330

<210> 66
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 66
tttttttttt gcagtttaaa acttatacat tgtttatttc tggtaatatt ctgtttaata 60
ttttgggacc tcagttgacc atgagtaaca caaacacag aatgcgaaac agtggataag 120
agagggacta ctgtacatac tttcgccaa gacagttctg tataattctt tgtaaacggg 180
gtagcaaaaag catatagaaa ggttttgggg ggatgcagtg cattgctctt ctgtaatgac 240
agtaatttac ttcaagacat tgcaggagaa ggggttaaag gagtaaaggg gaggaagaga 300
aggattcatt tcatgcctac ctgtacagag acactttctt gctttctact tttttttttt 360
tttttttttt tgagncggat tctcactctg tgcccgggct gggagtgcag tggccanttc 420
tcgt 424

<210> 67
<211> 356
<212> DNA
<213> Homo sapiens

<400> 67
tttttttttt ttttttttag ctcagccagt tagttgtttt attttgagtt ttgttttttt 60
aaaaaaagaa aagctttgag aaaatgtatt aaatatcagt aaagggcagg aacacacatg 120
gctagcttta caatagcaat ctaaatacat acaaaaggcaa acattgagta aaatgctagg 180
gaaagacggc actttggggg cctactgcag ttttccttat tgcacataaa ggttgtggat 240

aacgccaaagt ctttaatttt tcacagttat actttaatgt cattttatat aacgtttatt 300
tatataacat actataatgt taattttata aaaccaccag tttgctactg ttgaat 356

<210> 68
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 68
gtttttcaac gttttatttc aagcattaata aaaaaagaaa aaatcaatta ctttcaatag 60
aacagaaaat ctgaaaaatt aaataaggct aggcattggtat gcagatggaa aggatttact 120
atcctgtatg attttaatga caatgnccct gccaaataat atcaccccggt gggttaagggt 180
gggtacacagg aaggcagaag ttgaaattag tttgaaggct acattgtttt tttcccaatt 240
tacattgctt aaggatcagc aacgggaagg aacatcaatg ccccc 285

<210> 69
<211> 257
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 69
atttttaaagt tttattatga aaacacatgg aattaacggt gttatccatg tatttgcaac 60
agcagagaaa gaggtagagt ggaccatccc cataggggac acttatcctt tggctaaact 120
aatataaata atggaaataa cacctaatac aataatacag cacataaaaag agattacatt 180
aagagangag acaggaactg cggagaggag tcctgagtat ggnggagatg cggctcatgg 240
agaagcatcc aggtctca 257

<210> 70
<211> 129
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 70
ttnacagtta acatttatta aaacatgtca tacaaaagggt catgatctct tctataagaa 60
gaaaatatta aacattaaca ttcaattaag taaaaccatg ctgtacactg aagacagcaa 120
tatataaag 129

<210> 71

<211> 412
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 71
 tataactttaa aatcgtttat tttaaaggaa actttaata accaatggaa atgaaaaacc 60
 agccccactt gccatgaaca gcccactg ttccgatttc attcgggcag gcgggggtcca 120
 caagaggctc tcttggttta aaggagagcc agcttggnca ngatcagggtg ttaaggacac 180
 gtgagcacca aattgagcct ttctcagtga tgagggtcaaa aaatgaaagc gcgcaggaag 240
 ggttctcccc aggggaattc tgggggtgtcc caangtcac cggggccccg cacgcttcgg 300
 gccatgctgt tctggtctcc agccctcatg gccgtggcaa ttggacagcg tcaacttcct 360
 cactcagtgt gttcgcaccc tgaccttgag gtnggggtga gggggacatt ga 412

<210> 72
 <211> 211
 <212> DNA
 <213> Homo sapiens

<400> 72
 ttgtcaaga gccaaagacac aggtaatgca cgacattgat tgctgcattt taccttcaaa 60
 atatttgtcc ttattgactg ggtctcctta attaatgtac acatgtcatt agaatgcaga 120
 cggaggggac tcaccatgaa tatctggggt tgattcccag atgtgtgttg cttctctatt 180
 gcaagcagat tcccttgtcc ggatttactt c 211

<210> 73
 <211> 247
 <212> DNA
 <213> Homo sapiens

<400> 73
 cctgggtcgt aaaactcatt tattcaacaa agcagtacaa gcctcccctt caatcaggac 60
 ctgcctgcag ggtcgggcta cttcagtgtc ttcagccaat gggagctaga gggtttaata 120
 ctttagtcca cttcccttca tctctggccc catcgacaac atggggaagg ggagtgaggg 180
 cctggtagaa ggttactaag gccccttatt tcgttcgctg gtagaactgg aagactgctt 240
 tctcctg 247

<210> 74
 <211> 414
 <212> DNA
 <213> Homo sapiens

<400> 74
 aaatataagt aacagtttat taattttttt ttttacagtg agatatggct atgggaagca 60
 ggtgatacta tttgtttaag aaactgggat gccaaactaac acgtggagtt cccaagact 120
 ttgcaatctc catttgtgag tttctgtaaa aaagggaacc cagctagagg attcacagag 180
 accttgaatg acaagcgaca tactcgaaat ctgcagctct cctcccgag cccagcgtgc 240
 caggagacac gctgcagtaa ggcacttacc aagctccttt ggatagaggg aaagaagaaa 300

tcaatccagg	caacatgcaa	gtttcagtga	agtcagacat	tttatgggaa	tttaaagtct	360
tgctgttct	cagtgcaccc	cagtcagtta	ctgacatgtc	agcctcagaa	accg	414

<210> 75
 <211> 395
 <212> DNA
 <213> Homo sapiens

<400> 75	aatgtacacc	agaagtcaat	atttaataac	agtaagaatt	ttttttgtta	cccttaagtg	60
	taagttccct	tccctctaca	taacttaagt	taattttgga	gctaagcgaa	cttggtcacc	120
	cactaataag	gggcaagcca	ggaccctacg	gagcacagag	ccaagctctc	aacaacacct	180
	ggtaactctg	tgctattcct	agaatcactg	ctgggtgccc	cgcaccatga	ccagggaatg	240
	ggacatccac	agtcctcaac	attcttccaa	atcccagggc	agcaggggaag	ccatcccaat	300
	cccaaccttt	tccatctgct	tctccagggg	gtccaggggg	taggcccggg	acagcagctg	360
	cttcaggcgg	cccagctccc	gtcctttctc	ctcac			395

<210> 76
 <211> 470
 <212> DNA
 <213> Homo sapiens

<400> 76	tggaatcag	aggtgaatat	ttatttaatt	catatataaa	ttttacataa	tattcatggt	60
	gctataaata	taggcacatt	ttttaaaagt	ccagatacat	ccaaaaatta	ccccctcact	120
	gtagcctact	ccaatcccct	caagacggaa	tatctaacag	tgtttgga	acagggtcca	180
	gaaaggccct	gcccattaat	tttaaaactt	tctgaccatc	aagaccattc	tttcctgctt	240
	caaccaagca	gagtcaacaa	ggatcatgtg	ttttcagggt	tttaattgca	ctagttgatg	300
	aattaagtaa	atgcctctgc	ctgggtagtt	tgtaataggt	ttatgggttt	ggtttctcct	360
	acttagttca	agtcagagaa	agaaaaacca	atatctatat	tcctattggc	cttcttttaa	420
	tccctatgag	atggcttaaa	aggatgtcac	tgaccagag	gactcacttg		470

<210> 77
 <211> 553
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 77	agaactgnan	nttttattca	nacatttnct	ttgattnaaa	tacattacgt	acanngtcta	60
	cattggatta	gaagaatgac	acagggggca	gcaacactct	cgcaccccag	cctccantcc	120
	ctgacnctgn	gangcagggc	cgatcgggtg	gnannggnnn	ngtngttcca	tgagttcggn	180
	tcagaancct	agncccggca	ttctggggcc	ctggctcttc	cagagtccac	attcaaggca	240
	acctgagcac	aggcttgagg	gagagtggag	aaaggccagg	aaaggatgcc	cacactcttg	300
	cctgccaggc	ccaggaccag	ctctctccta	cactnggacc	caatttcctt	ctggatcaca	360
	gagctggctc	ggatcaagac	aatgtggaga	tctgggtgtg	aggctgtggc	aggtgangca	420
	gccgggctcc	ctgggttagac	ccccaggctc	tcttttagcac	nagatgggca	ctttaccaac	480
	aggtttgggt	aaaaatgtct	acngagagct	atgcacaacc	tgggtncctt	tctgggctcc	540

taaaagtcaa ggg

553

<210> 78

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 78
agtattttca taatttatat tgcttaaaat tatgatttgc atgctaagat gcaaacttac 60
gtgatatctt ctttagacat aatgctatta agagcacatg ctttataaaa taaaactggt 120
ctcattcata tcaggtgcag aaagccagtc ctgaaagcat agactatccc ttattctggc 180
tgttattaag gaaaaaattc atttaaaaaa tacagtaaag attgaaacca agtttactgt 240
ttcttgaaca gaataggaag aaaatatattt aaatggctga gctggtcatt agactattac 300
tcatttatct taaaggcaga aacttgtcaa cccaactacg tgaaacagag aagcatgatt 360
tgcttaagca ggcgacatta gagttaggcc tctccacngg gagcttcccc gaccgtcagc 420
acgtggcaga caggggatgcg gcccatcatt ccgcagggaa gaaccggccg ggccgg 476

<210> 79

<211> 562

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 79
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ttgcttagtg ggaaaaaaaa ccttttagga ctgagtctcg gaacagcacc tgtcctaaac 120
ccaacttctc tgtgatgcc ggatttcttg attttgatcc agtagctgct cattttcctg 180
ccttttacat ttaggagatt caagctctgt catttcctct agctgcccc gaagtccgtc 240
cttcctgcag ggcccaactc cacgtagagt gagtgcagcc acacagcagt aaccagatag 300
agcagcctcc cctgcagaca tgagcaaaga agggatccag agagccaagg ctgtatcata 360
gattcttggt gggtaaagg ggcagtcagt atgtcccggc ccctcatcca gtggtaccag 420
aggatccagc agtctgggg tggcagtcag caataaggcg gcggccaccg ttgggccaca 480
gtgagtgaca cagcaagaag gagggcccagg gagcaggcna cggacaagag caggntcacc 540
agagctagtg ccagcaggac cc 562

<210> 80

<211> 580

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400>	80	tttttttaaat	aaatttttta	ttacaatgac	aggaagactc	tggatacaaa	cacatttgct	60
		aatataatca	ctccactggg	tacctaaggcc	tagacgtaca	aaaggacacc	catatctcat	120
		caggagaaaag	acaattttga	gtttctgggt	gtagtaccaa	gtggttatga	taccacgta	180
		cgtggtctat	ccagttaact	gtgtggcaat	ttgctatttc	aagtcctctc	ataacagaaa	240
		ttactgaaat	atgtggaaca	ccagtcaata	taaagaattc	atttttaaac	agactagtga	300
		atttgtgtca	taaacacact	tgcgtatgga	tattaggaga	gcattgcttg	aatatctcta	360
		aaactatttt	taggaattaa	aagctttcat	agttaatggt	atgatattgg	ccttcagaat	420
		tcatattgat	aaaagcaaac	cttagtcatt	taacaggaat	gtttaaattt	tagagattct	480
		aacatgcgat	gccgaaaaat	cctaacattt	ccacttagta	atgtcagggt	tgtgccagtt	540
		ctaattttcc	atagctagta	acatcagaaa	atatntatca			580

<210> 81

<211> 268

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,q or c

<400>	81							
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								gtgcacagac
60								
aggtgt	ggga	ggtagc	tca	aatata	caga	gtgttc	gcaa	cactagagac
								gtcttctggc
120								
cgccat	cagg	ggactc	ggag	gtaggg	tagg	cttggt	gagg	cccg
								tgnttc
180								gtgtccgtgg
cacagc	ctcc	tgcaa	agggg	ctgcc	tgt	cccctg	ttca	catgg
								tgcca
240								ggccgtgctc
cccagg	tgcc	tccggg	gggtg	ctga	aagaa			
268								

<210> 82

<211> 567

<212> DNA

<213> Homo sapiens

<400>	82								
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caagctaaca	ttactacagt	tcaagcatgt	gcaactggta	cagttcagta	gtacataaac				120
gactcaaaca	aatgtacgac	aggtcagaaa	cttaagttac	aaaatagagt	caatattaca				180
attaacacag	agaagtaaaa	accattgctc	tcagattctg	cacacttaaa	aaaacataaa				240
ctttatacag	tcattgaaat	tacgcatttc	tactcagatt	attagagcat	attacaaaca				300
cacagaagcc	taaacagtta	tggtcacatt	ttggttttgt	tccagtggtg	cacgatcaca				360
tgaaatgtta	catccgtttt	gtgtgaaata	aacatttggc	tgaagtgcaa	tagctgctgc				420
attaaaaata	tttccataaa	aatgctttaga	ttaaaatctt	cctgaacatt	agggttctaa				480
tgttcaggat	tattttaaga	gtccttatga	agagtcctta	aaattataga	aatagatgta				540
gttaggaatt	tcagtggtgtt	tgctgttt							567

<210> 83

<211> 433

<212> DNA

<213> Homo sapiens

<400> 83
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tgaagagata cacaggggtga ggtttggaag ggtccttgtg gagttggggg gcaccactct 120
cctggaacat ggatgtgttc gccaaaccgg aagctctcca agtcctgtct ttcaaggagt 180
tttctggagg ctttatcacg taggcatgat tgagctccag ctctactccc cacgccagag 240
gatggggaat ggggctgaca gcacaacgct tccaaccata ggtctttttg gtgaccagtc 300
cccaaataag gagcccacca agagtcacct catgagaaca aaggacgctt ctatcaccca 360
gaaaattcca agggatttag gagctctgtg tcaggaacca ggtttaagga ccaaagtta 420
gaacaaaaga tgt 433

<210> 84
<211> 394
<212> DNA
<213> Homo sapiens

<400> 84
cggagagaca aaacaagaac tagagtttta atgataataa aagcaataat aataaaagca 60
ataacaataa aaacaagatc agactctcac tggggtaggc aagggaactga ggaggtgaaa 120
caaccgtat ggtgtcccag cacggcacct gctaaggagg gagggtgga aagcccaggc 180
cttcgttgcg ggtacaggag gatgcaggag agggctgagg tgggggagga acaactggtg 240
tactgggaga gagatttggg acgaggggga accatcagca aaaaatgaag ccaggaatca 300
cagtaagggc gcaagggctg aggccagttg tttccataaa gaagactcaa tcattacaaa 360
aataattttt agtagttaa aaacacacat aggg 394

<210> 85
<211> 527
<212> DNA
<213> Homo sapiens

<400> 85
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gcaattctcc tactttggcc ttccgaggtg ctgggattac aggtgtgagc accatgctcg 120
acctaaatgt tcacttttaa tcagggccta tagccttgaa ttctatagta atgtggttca 180
ctaagtcctc cctaatagat attttcacac tttctaaatg gaggtaggac tgagggactg 240
tactaaatag cagacaagca agaagagcag ccttccccta ccaatacctc cagcaacagt 300
ccctagtaac aacagtagta acaggttttt gttttgttgt tgttttttaa gagaggcagc 360
agtgtgttca taatcctaata gaagaaaaat ggattgggtt gcagggaact gaggcagag 420
acaaagcaag aggcagggat taaagaaatc cacagggtt tctgctttaa tccaacaaaa 480
tcacaggaaa attactcaat tatgaatttg gagtcaggga tctctgc 527

<210> 86
<211> 139
<212> DNA
<213> Homo sapiens

<400> 86
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tccacaataa aatacatctt tccataaag ccatgtgttt atttagtcaa ctattgtttg 120
tgaggacagc tttgctgta 139

<210> 87
 <211> 384
 <212> DNA
 <213> Homo sapiens

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 ccgtctgacc ccagcagtct tcac 384

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 <213> Homo sapiens

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 atgttaagtc taagaagtc tggtactcaa agaaatattt tcaaataatta ttagataatt 180
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 catttagaat aaacagatgg aaaagctatt gtagaaaaaa atataggttt ttagaaaagt 300
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 <213> Homo sapiens

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 cgctcacagac cagggggcct ccagagtcac tctggcaagg gtcctggccc cggccagtc 180
 cagcacatat catgttggtg gtgaccacgc cagggtagaa gacctcacac tcttttagggc 240
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<210> 90
 <211> 524
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 90
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<212> DNA
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<220>
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<223> n=a,t,g or c

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<210> 92
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<212> DNA
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<210> 93
<211> 546
<212> DNA
<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<210> 96

<211> 1866

<212> DNA

<213> Homo sapiens

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<210> 97

<211> 1488

<212> DNA

<213> Homo sapiens

<400> 97

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<211> 10476

<212> DNA

<213> Homo sapiens

<400> 98

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<213> Homo sapiens

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<210> 118
<211> 411
<212> DNA
<213> Homo sapiens

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<223> n=a,t,g or c

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<212> DNA
<213> Homo sapiens

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<211> 2454

<212> DNA

<213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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 <223> n=a,t,g or c

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 gaatataagt ggtttccttg taattttttt ttaagcttgg agaggtaata acacatcttt 240
 gaattcaaac tgaggactgc tgcttaatgg tgcttttaca ggggtggtct aaaatttttg 300
 agagtcagggt attgctttct ctgactgttt aattcaccac tggcacgtgt ttcctatcct 360
 caagcataag tttaaaagat tacaaaacctc atgctgctca gttttttctn tccagtaaat 420
 cagatgcatg gtttctctag atttag 446

<210> 124
 <211> 644

<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<223> n=a,t,g or c

<400> 124
tggaagaatt gattttaacc ttttctatgc aaacacaatc tgaaaagtta tgtgctgcat 60
attgtgctca aaatgtttta tactctccac aagctgcaat taagagattc attcctatct 120
ttaaaattta gatccacatg ggtagagaa aaatactctc aaaagtgagt tcctagagaa 180
tattatccct ttgctcaca gagattttta cctgcattta agagtaagtg ttaggttgag 240
gcatatgata ttgtcgcttt tgcagatcag caatggttga acactggcaa tttcaatatg 300
gttcaacctt gcacatgact caagtgtaaa anaaggagaa accttcaagt attccttatt 360
tcttccaata ggggttacac tttttttggt acagtggaga tccaacccaa agtacgcaag 420
cctcttctct cccctgatgg tgggtagcta caggcagtta cantcccttg gctgcctgtg 480
agaagcctac antttggcat tttcctccn aaaattacca cggtngccca agtgaacatt 540
nccagnatat ngacctgggt aatggggggg aagggggagt tgagcaacng gtggaaatat 600
tttacnngga tttccaacat anggcagcct ttaagggaat tttta 644

<210> 125
<211> 523
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<223> n=a,t,g or c

<400> 125
gggggaaatt actttaaaaa agaaaaaaag aaagaaagaa aagcagaaag tggacatcga 60
ccagcacctg tgtacgtaca gtacaccttg cagccgaatg caaggttact tcatcctatg 120
gtaaaggtcg cccccagccc ggtagccaga gatgccactc tttctgccc gctaaccacca 180
ttgtgcgcct gtgtgcgagt ggtgccagca taacctcaat cacaccaata ttgctgccac 240
cactgcttta ctggctccga ctgaacacag catagaagag tcaggagaga atgcacagct 300
gtacacccaa ttctgatgcc ccctcaatac tttcatcatg tttccatcat ctttcaggctc 360
ccatactctg agagttttgt ctcttgaagc tgacaccagg atcaagttcc atctggagca 420
aaagttaaatt tctgaccact tcagtatgat taccaagtta aggaggagtt tctgtatatc 480
atcccatatt ttgatcgcca ttgttcaacc tgtancaaga gta 523

<210> 126
<211> 746
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<223> n=a,t,g or c

<400> 126

ttnnncggga	gnaacacaac	aagccgagtc	cgccgcccct	gcacaacaac	aacaacaact	60
gcgaggaaaa	tgagcagtct	ctgcccccg	cggccggcct	caacagttcc	tgggtggaac	120
tacccatgaa	cagcagcaat	ggcaatgata	atggcaatgg	gaaaaatggg	gggntggaac	180
acgtaccatc	ctcatcctcc	atccacaatg	gagacatgga	gaagattctt	ttggatgcac	240
aacatgaatc	aggacagagt	agttccagag	gcagttctca	ctgtgacagc	ccttcgccac	300
aagaagatgg	gcagatcatg	tttgatgtgg	aatgcacac	cagcagggac	catagctctc	360
agtcagaaga	agaagttgta	gaaggagagn	aggaagtcga	nggttttgaa	gaaaagtgcg	420
gactgggtnt	cagactggtc	cagtagaccc	gaaacatcca	ccccaggag	tcccacttca	480
ganaccctaa	cgtcttgtgt	tttttaggat	gatggatcag	tgtncgtgtn	tnnnnnnnnn	540
nnnnnnnnnn	nnnnnnnnnn	nttttgnnn	tnnnnnnnnn	ntnnnnnnnt	ntnnntnnnn	600
tnnnntnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	ntnnntnnnn	nnnnnnnnnn	660
tnnnntnnnn	ntnnntnnnn	nnnnntnnnn	nnnnntnnnn	nnnnntnnnn	nnnnntnnnn	720
tnnnntnnnn	nnnnntnnnn	nnnnntnnnn	nnnnntnnnn	nnnnntnnnn	nnnnntnnnn	746

<210> 127
 <211> 448
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 127	ctcagattcc	tggacctggt	gtcctgggtg	ggccaaggt	gattttacag	aagaaaaaaa	60
caactcaagc	attctgggtg	caacatagag	attgtaggct	gcttctaaga	aagttattaa		120
caatttgga	attcctaagt	aggatgagag	ttagtaactg	gatacgagt	aagtttatat		180
ccaagttcag	actcaaaggc	attattatga	tttgcttctt	cccatgtctt	ccatgtcctg		240
cttctcaaag	tttttctcat	ccatcacact	actgccttaa	cctgctctga	gtatgcattt		300
gttttcaatt	catctttatt	tcaatctggt	taacttttga	atccgcatgg	gaatacgcac		360
attaagttcc	tttctaaaat	aaggttttat	ggaagctnga	gtgagtttca	cgataagtg		420
ccttgctatt	ttttgagatg	ttttatgg					448

<210> 128
 <211> 1650
 <212> DNA
 <213> Homo sapiens

<400> 128	agcgagccgc	cacggtatga	ccccaggggc	tctgctgatg	ctgctggggg	cgctggggcc	60
gccgctcgcc	ccaggcgtcc	gcggctcgga	ggcgagggtg	cgactccggg	agaaactttt		120
ctctggctat	gatagctccg	tgcggccagc	gcgggaggtg	ggagaccgtg	tcagggtcag		180
cgttggcttc	atcctggcgc	aactcatcag	cctgaacgag	aaggatgaag	agatgagcac		240
aaaggtgtac	ttagacctgg	agtggactga	ctacaggctg	agctgggacc	ctgcggagca		300
cgacggcatc	gattcgctcc	gcacacggc	ggaatccgtg	tggctccctg	acgtgggtgct		360
actgaacaac	aatgatggga	atthttgacgt	ggctctggac	attagcgctg	tgggtgtcctc		420
cgacggctcc	gtgcgttggc	aacccccggg	catctatcgc	agcagctgca	gcacccaggt		480
cacctacttc	cccttcgaact	ggcagaattg	cactatggtg	ttcagctcct	acagctacga		540
cagctcggag	gtcagcctgc	agacaggcct	gggtcctgac	gggcaagggc	atcaggaaat		600
ccacattcat	gaagggactt	tcattgagaa	tggccagtgg	gagaatatcc	acaagccctc		660


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aggataaaat aactacattt agcttgcctt tcagtgaacg ttttgccaaa tgtcagctac 120
aaggagtcac ctccctcacc gccaaagctgt ctagcagcca gagtggttagc tttactgtaa 180
cacacagtac tttttgtaat cagactcaaa gtcttcatcc atactgcttg tgtctgccat 240
ctttttgcca tcagtctttg gcagaaattg tgcatagtct atccctgct gctcatagaa 300
aagaatgtag gcagagtcgg tgtcaatttc atccgggtga agttccttta cagctgctgt 360
cattgtaaca gtaccacttg cagtttgggt ttttggcata agtgacgtaa tgggccccca 420
cccagaattc cccgaatggc acgaaattgg cata 454
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<210> 131
<211> 552
<212> DNA
<213> Homo sapiens
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<220>
<221> misc_feature
<223> n=a,t,g or c
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<400> 131
ctcccagcag ttcttagcat tccactcaag atgggtcaagg atggggaaaa gggcctttgc 60
tggagttgcc agctagaggc attctcaggt agctaggtgt agtgtatttt ggtgcctctg 120
gtctctgggg caatgtcttt tgtcctccaa ctgggtatgt atggatactg tgattccagg 180
tctgtttttt gacttaagaa ctgctcccag atttccaaat ggaagttttc aactatgac 240
ctagaaatga atagatatac attctgtctt gggtttcccta agccagtctc ctataaaaca 300
aaaatttcat cccaggaact cttccatata agggaacata tatgttttga aaataattca 360
tccatttctt tgctcccata aatacctttt gcccaggatt tattcaaaaa aaaagaaaga 420
ttgctactta atgtttctat tccattggag tgagtgattt attcattgga ggtctaagtg 480
atgatcatag aaagaaacat agagtactag aactggaagg aactaatctc nattttatag 540
gactctcgtg cc 552
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<210> 132
<211> 545
<212> DNA
<213> Homo sapiens
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<220>
<221> misc_feature
<223> n=a,t,g or c
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<400> 132
actgttgacc tgtcactggt tattattttca gcactaaaac tgaggagcct caactgctgg 60
ctcttcttcc ctttgtattt gtgtaaggag cactgcactc ccataaaagg ttttaaaata 120
caaaatgtac aagaacacac aattccaagt gctgtaaaca taactgagaa ccagttcctt 180
tactaaacat ccattttata aaatacaagg tttcaatttg agcccatctg agccttaaag 240
atccattctg aataccaaaa acagggcttc acagccaggc ccagaagagg tctggtgata 300
atggctggcc ctgggtgggg atagtttaca cccgggcagc agcaccacac atgaacccaa 360
agacatgttc tttttaaagc tgttttcagc catgtttctc tgggtgcatct ccagtaagca 420
gaaggctacc cattccattc ctcaacccca agagctagca cagtttagagt aggagggggg 480
tgcgtactag cacgtgncca gttgctcagt gcggcaggta gaaatgattt gcataggtcc 540
atggg 545
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<210> 133
 <211> 384
 <212> DNA
 <213> Homo sapiens

<400> 133
 tttttttttt ttttcttaaa ttatatattat tatatgaaat acaaaatgtg gaaaatttgg 60
 aaattacaga aaaaccaaag atgaaaatta cagtgacttt gttccaccat acaaagataa 120
 ccactcaaca ttttttagta tgccttcctg cttttttatc tgctctacgt atacaagcat 180
 acaccatata tttaaaaaac aaaattgaaa tcacataaca tgcactatct ttacaacctt 240
 ttaatatcca aggagcattt ttctttcagt cagatgttct tttacatgac ttttaatgtc 300
 tgcgcggtac tccaccatct ggatggagat acaataattt acttaagcaa tcccctattg 360
 caaacttttcg ttacagcaga aaag 384

<210> 134
 <211> 168
 <212> DNA
 <213> Homo sapiens

<400> 134
 tttttttttt tttttttttt ttttttttca aaacaagtgt tatttattat aaaatcagtg 60
 gcttctgatt agaagacttt ttttttttaa accaaatagg ctcaagaagc tggctggagg 120
 ttgaattggc tgacgaacat cttcttcttc caccagcagt ttgtggga 168

<210> 135
 <211> 175
 <212> DNA
 <213> Homo sapiens

<400> 135
 gcaggctgat acatgtgggg gattttattt caggcacttg ctcttcagtt tttcttacac 60
 gatgttccac aaatataaaa atgagaaaact ctttcagatt atctgtatat ctatatacct 120
 ggattattct ggctaaagcg acaggaaatc ccagcagtct ggcttccccg agtaa 175

<210> 136
 <211> 246
 <212> DNA
 <213> Homo sapiens

<400> 136
 tttttttttt ttttttggaa gaaaaggaag ggggtttattc tcaagcgtct aagggtttac 60
 aaacgagggc attttgtttt aaaaaggggc agggcgacac tggcggcctg aggaggggtc 120
 cattggctgg tgggctggcc gagccacctt caggcccttg cccaccctgt ccgcccctctg 180
 cctggtccag agggatggct ggtgacgagg ggggaggtct tgggagaggc tgggaggcag 240
 gagaga 246

<210> 137
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 137

aaacaataaaa cagaatttat tagctcatat aacaaaaaaa gtccagaggt aaggccaatc 60
tcaagcaagg cttgatcctg tacttaaaca atttcaccaa ggacttgatc tctttctgcc 120
tctcaactct cccttcagtg gtgtcagctt cacgtgattc ctggatcatga tcccaaggcc 180
caaggtgggc atcataaaga cccaggaata ctactacctt tttcacattc aacaggggaa 240
ttaaacagc ttctaccag cat 263

<210> 138
<211> 394
<212> DNA
<213> Homo sapiens

<400> 138
ttttgtcact ctgttcttcc atgcctttat tggtaacagc aatggacaag aacaatacca 60
ggcatagcag acaccctagc ccagtacctg aggtgccagg caggccctga aggcacttgg 120
cacatccagt cccagcccaa gatccagtct acccaggcca tgtccccgaa tggcaggagg 180
cgtctgtcca gtttgtatgt gtggatcagt ctctctgagt gtctgagccg ctgcctgcag 240
ggcccccca ttctccgcac atggtagggg ctgttaggaa catagcgtgg catcccccg 300
tggaccactg ggccccagtg ctgaccatgg ggattagggc cagggattgg aggtggcaga 360
gggccaggca caaagttcac tccagggccca catc 394

<210> 139
<211> 303
<212> DNA
<213> Homo sapiens

<400> 139
ttttcatttt gaaaaagcta tttacttttt ttccaaatat tatcccaaaa ggtgttttac 60
agataagggg caatacgaag tcaaacattc tacagaagaa aatcgttttt acagacatta 120
agaataattt taacagaaga aaaagctcac atctatctag atgtggctat gttccatggg 180
aaaaatttca gcatccaaag tgcaaagaaa aaatgactgt agcttttctt accacaaaat 240
attgacaatc ttcccttata gcctactctt tattgttagt tgggatgcc aaggatgata 300
tat 303

<210> 140
<211> 280
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 140
gaacaaaaca gaatgttatt ttattttgtg tctaagagta caaaantcat aatcaccaac 60
ctcttgggaa tcccaaggca ganttttagt cccagacccc ccaacatcct cactacatac 120
atggaagttg ctttactcct ttctacctta gttatttgac ctataattag aggataaaat 180
acaacattct aaaatcctgg taatatggcc gatataaat tttatttttg atgtgggtga 240
gagtcttgaa gtctggaaag catttaactt attaaaagac 280

<210> 141
<211> 495

<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<223> n=a,t,g or c

<400> 141
ttttttttaa ttttaaaggag ttttaattgag caataaacag ttcaagaatt gggcagcctt 60
cccagccaga gtaggctcgg acactccagc gcagtcacac ggtggaaggt ttgcggacag 120
aaaatggaag tgaggtacag aaacagctgg gcttggctac agcttggcat ttgccttatt 180
tgaacgtggt ttgaacagtt ggctacattt gattggccaa aactcagtga ttggcacaag 240
tgtagtctgt ttacacctcc acttgtcacg atatacagac aaaccttttag gccaaactta 300
aatatataag gaggcagctt taggctaaac tttatttcaa tacctgtatt ccaacacttt 360
gggaggccga ggcgaggagg atcacttgag cctaggaagt tagagattca gcccaagcaa 420
catagtgaga ccttgtctct gtggaaatta atttagcng ggcttggtag cctgtaccng 480
tagtcccagc tactc 495

<210> 142
<211> 402
<212> DNA
<213> Homo sapiens

<400> 142
tttttttttt tttttcttag ttaatatctt taatttttta tgtagaatat actatTTTTT 60
totccaccaa aataacaata tatttgcagg cggaacatg tatgatttta aatgcacttt 120
tgaaatctta gagtagaacc actactctag taataacttg aataaaatta aaatagtttt 180
aaacacttcc ataaagaatt aggggtgcc agctccttga tttcccccta gggataaaga 240
tatccatgta caattccagg gagcttccct gtaattcctc aaaaaaggca ctagtaaaac 300
tcttaggagg gatattagga taaaggctca cttaggcaat agcccttttt cccacatat 360
tctgggaggg ttctacaaaa gctatttgga tactcattcc gg 402

<210> 143
<211> 463
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<223> n=a,t,g or c

<400> 143
ggtanngatc ngtgtattta taatcaagtt gaatcaagag tgacaagaag aaatacagct 60
agagttatat ttttgcacca ggggtattct tttcctagaa gagcaagtcc attttttagaa 120
aatTTAAATg tctttatttg ttactttcca aatatttttg ttaaacaat atctcttgca 180
aatgtatctt caaaatcttt gcctacatgc atacaatttg ttcttcccaa ctgcttaggg 240
gaaattcctt caaaatgctt agggagttct aacacatcaa atctgatcat tttgtttaca 300
ttagggaaac accaggacat tgtgggatct cttctttaa aaaacaggat ttttatttta 360
ctggcatttt caccctcagg acatgtctcg taaggntga ggggttaggc taggnagggg 420
gnggggttcc agggcaacac atttaccaaa tggacncccg ggg 463

<210> 144
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 144
aaaaattgta aaattaaggt gaaataattg ggaatataaa accccaatgt aagataaagc 60
aaattgcttt attattttta aaaatgaaga gaccccaa atcaganttaa gcagtaaaaa 120
tcttttgtag ttctttcatt aatctgtatg atccaaactc aagtacgtaa ttttttcttt 180
tttaagaggc aggttttgct ttgttaccca ggctggaggg ccatggcacc accacgcctc 240
acggcagcct ccacctcatg ggcacatcaagt gatccttctg cctcagcctc ccacgtaggc 300
agggaccaca ggcggaanac ccatgctcag ttattattat tattattttt aggagacagg 360
ggctctggct atgttggccc gggnttgtct taaaactncg gggctcaagt aatccttcca 420
cctcagtntt cctaaggtag gtaatatatt taataggcaa accatt 466

<210> 145
<211> 385
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 145
anncccagat aagtgtgcaa ttatggagaa gtttatctgt aagaacagat aaagggaat 60
tgtctacaca tgtgcatgta gaaagaaatt atggagatgg attcagccct caaagcaaaa 120
gctctattta atttgaattt ttacttaaat caaaagcaga aaatttaa at tgtcactaat 180
cttaactggc caagggcatg atgcatcagt ctcataacct gggcaaaaac ctgcccttaa 240
atgatcaggt cagaaccagt aagagtctct atcctgggtc ctcggttaata cagagagctc 300
ccaaatnaaa ttatatgtat tacagagcca attcagccca atntacagtc tctgattttc 360
acatggccta cacaactttt atgtt 385

<210> 146
<211> 372
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 146
cattaacttg acatctggta aaacaaaatt ttgcgtanat cttaatcaaa acaanaaca 60
gacatgacac tttctcagtt aaaatagttt aataaaagca acaaaactgt gctaacgatc 120
agaatcaaaa atgagatatt aggtagactt ataaaacaaa gtatagttat tttttgattt 180

caaataaacc atgtgcaaaa ttgtaaaatg ccaatgtgtc tgagaaaagc attaacagtc 240
cttttagcaa tttatatata aagatgtttt taaagtgcc aagcttaagg cattatattt 300
taaagtttaa taaacatcta atttcaacat ctctccaaga acagacttct tctcaataag 360
ctataaacta tt 372

<210> 147
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 147
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gccatcggaa ggtgaagtga ggcacaatac tattgggttg cgggccaaagt acacagggtt 120
gcaactgtgaa ggaactgagg aggttctggg agggcctggg gacaacaatg gatttgggga 180
gatccacaaa ggaaattttc atttcctccc caggtttagct attcagtggg tggattattc 240
agtcttttta agcaaggtca ctgctcctta gcaacatcaa caaaagtgcc aaagctgagg 300
acacagagaa taccatcatt gtcttttgtt tctctttatg cctggatggg gaaaggaatg 360
gaaactaata gcagaaaatg aaacatttcn ggatgttatc ccttgccatg aagaatcacg 420
ggcttgtgta gagacctctt tcctttcntt tttttttttg agg 463

<210> 148
<211> 468
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 148
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gcatcttgca gctctttcag ctgtaatcca ctgttattat aaggagccct gttgctgtgg 120
tggttaaggag tggggaaggg aagcattcca ttttcttagg attacatctc aatcttttgg 180
ntgggcctat gttgctgtac tgtgacctt acaaagtgtt cttaaccttt tcctccttc 240
cttaggttga cacagggaat ctaggagggg gactcgagtc agaggaacta tcttctcccc 300
aggatggggg ataaggactc tggggtaaag gcccttttcc ntggggagag gtaaggtcct 360
taatcatagg ggggaacatt tctgagggcg cactttcaaa gggcatttac ntttccccct 420
ncccttttnc agagccnggg gggaaggggt ntatcttngg ggtctttt 468

<210> 149
<211> 496
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 149
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gagagtttga gaatgttcga gaatctctac cactcggtaa ccatgctggc tggtatatca 120
gaaaaatcca taaacataca cagcagcgag ctgttttcac aagacttcct gctaataaac 180
acaacacttt ctctccact cagatgggag cctcagnatg ccaaaacggc aggatgtgcc 240
aactaactat agggctcgtt gctaaggcag gaggaaatct attcaagttt gtccaggcaa 300
attcgattgt acagtgggga tgggcgtctg cttctgcggg ccttgggaca ggggaggcca 360
ctgggtctnt gctggctgtt cccctgtagg gcagggtcga ngctgggtng gccctttagg 420
agggcaaggg ttaaaaatggg tttntcatgg gggtttagga acataagggg ntttttgagg 480
naaaaattgn caaatt 496

<210> 150

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 150
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aaaccttgca ttgatggatg gtagctatatt gcaatttctt gttttggctg gatgcattga 120
aggattaaaa atttaatat taagggtgtgc cttaaaactgc aaggttccct gattttattc 180
tcatctagga atttttgctg ctttaggtag ctgacaacat gcagatccat actctatctc 240
ttaagatttt cttttgggaa ctgattccag ggtgaaattt tcttagggga aggatgtggg 300
ctaggaggct ggggtatggc aaaggcatgt tctataggca agggaaaggc caggatggag 360
gtgagggggg caaaaaatcta ggttattaaa attttagggg gngacactng ggtttttaat 420
aaacntatatt cttccac 438

<210> 151

<211> 371

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 151
ctggagcnn tntnntttta tttgtcfaat gaaaatactt cgtccttttt tatcagcaat 60
acatatagtt ccaacaagaa ctattcatca caaactgcc gcttggggat ttcttcatga 120
aatattttgt atttgcttgg tacatggttc aaggaaactc ttgtgtttgt gccaatcagg 180
gaaataaact gaacaataaa cgacactgaa atagagtatt aggcaatatg tagctttgtt 240
tttgcttttt ttttttaaaa aaaaaccact gaattttttt ccaccacaaa acacatggga 300
aagtgcagga aaccagttaa tctatggtga tggatattgc catacgggtt acaaacnagg 360
ccaaattaaa a 371

<210> 152
 <211> 353
 <212> DNA
 <213> Homo sapiens

<400> 152
 taaaatgatc ttacaatgtc aacatcaatg ttaataaaaa tatataatag gctgaattca 60
 tcaatgatag aataagttgt aattcacttg gaggttccat ctttcaaagt aagcctttca 120
 tagataaatg aaaatccttt attttgtaga attttaaaga ttgttaaagg ctgggtcaag 180
 gcaaagccac ctctattaga aggggaaaga aaagcaagat gaaacaaaat atgttatcat 240
 acatatcgcg tgtgctatga gcatctttct actcctgcc a gattgaaaat tctaggtttc 300
 aacattcttc aggatttaac aagtcaaat aaaagccgga attcaaactc agg 353

<210> 153
 <211> 429
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 153
 agctcacggg cggcaggcag aaccttcctt ttagtgagtt gtaaagtcag agagaagctg 60
 aaaaattaga gtgagaccac ttattattta atgattttta agagcagggt cacctttaaa 120
 ccagaattgg cttgaaaatg gagactgtga tatgcacggc taaaataagg gaaatgtcca 180
 tttgaactga gactagaaag catgactttg cattgcagct ggctctgttg ataaaaatcc 240
 ctcacccctt tgagtgttaa attgaaagac tangaaagca tttccaaggc gaagtgttc 300
 atgnetgtct ctcaggnttc ccacagctgg gtcccggggc atgcctgttc tggatgctct 360
 ncattgcgag ggaaactgcc ntccaccct agctcgtaat cccagctnct cggggggggtc 420
 gaggggcagg 429

<210> 154
 <211> 203
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 154
 actttcttga atttattttt atttcaatgg ttttaatgaa tatttccgag aaagttcaca 60
 atactcattt ttatgtttca atttatattc aaatttactc aaagntaata tcacccggta 120
 ttattagaga agtctctcta aataactagaa ctgacatttc agatccnttt gtaataatac 180
 tgccccata aaatatgcat agg 203

<210> 155
 <211> 319
 <212> DNA

<213> Homo sapiens

<400> 155
tttccagtat aaattatatt taattttaga aactgagatt gaagtacagt ttttagttta 60
aaatattaaa aatgaaaaaa cctttaacat tattaaagat gtgttggttac aaagttccta 120
gatatataca tgtacaaaac aaatagatat tactatctga cacctcaacc catgacttac 180
cctaaatctc ctgatatgaa caattaatct actgggaggc ttttcccaat aagtttcaaa 240
tttcttgacac aaagatttgc tgccattcat attctgtgca tggatgagga catttaatca 300
cagactattt caacttaat 319

<210> 156

<211> 276

<212> DNA

<213> Homo sapiens

<400> 156
tttttttttt taggacaaat aaaatttatt tttctctgta aattcattta aaagtatggt 60
atctatgatt atcctatcaa ggtcagaaat gttagatctt actccaagat aggtaaacag 120
ccctttgaaa cgcaacaaaa agagacgatg atcttatgag ctcatattatg ttcattgcgtg 180
aaagtgtgaa gatcactagc tttgctgtgt ttctacaagt ttccttgact gtaaaaacag 240
tcaaaatgta accaacctaa ttcaagatgt taaatt 276

<210> 157

<211> 549

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 157
tcctngcnng ggtcggtact gttcattagg ggagaaagca gtttaaaatg tctcagcctc 60
tcgcctttcc tccaatcaac acaaagtata ttagacaaag tggataaaga ctggcattga 120
catcttccaa atagcaaaat caattttata atttaaagac aaaaaatgct ttaactgcag 180
agggcattta agacgtttca cacttacagg gctaataaaa tgcaggacta gcataaaaagt 240
tttttggggg ggggtggggg gaatagattt tttaacataa ggagtcgata ggnaatcttt 300
aataattttt ccccccaaa taattttaag gtgctttaag ggccgcggga tcncgggggg 360
ggtttcccc tctttttacc ttattatgga nttaaccata ttctnnaaaa atggatttaa 420
atccccattn ccccttcagg ccncaggggg gnaagggggg aaatttgctg tgggggcccc 480
ttnttttagg ggagggtttc ctctccagg cngctcctct ttaccgnccc cgtccggttt 540
cgggccctg 549

<210> 158

<211> 378

<212> DNA

<213> Homo sapiens

<400> 158
ttttttacct tttggcctga attttttttt aattttttaa ttaaacacca acgaaaacct 60
cattttgtct aagcagattg aagagaaaaa atgagctata ctgatagaag ctgaaaaaag 120

aaattactgt ctacacgact aagaaaaaga ccaagcaagt gcaatgagta ataagttata 180
gaaatagcag caactccaca agaaactgat aagcatctgc cactatcaac tctatgctag 240
atgccaggca tacagtgaat gtgatgtgcc cacttcattc aagaagctca tcaggtggga 300
agaccaatga ggtatcagtt taaggatga ggatgaattt tataggaaag caggcatccc 360
aatgttccc ttatttcc 378

<210> 159
<211> 307
<212> DNA
<213> Homo sapiens

<400> 159
ggtcatgctc tggtgcccag gctggagtat ggtggcaata tcataggttc actgtagcct 60
tgaactcccg ggctcaagtg atcttcctgc ctacgccttc caagtagctg gcactgtgtc 120
tgacaaagtt cacaactttg tttgtggtca caaagctttt cagcaggagg cagctathtt 180
tggtaccttg ctaagatcta gtatatcact atacgagacc ctacaaaaac acacaaaaaa 240
gcaattcctc atttactatg ttcaaggaaa cggcatggaa ataaaggtaa atttttaggg 300
caaaagg 307

<210> 160
<211> 290
<212> DNA
<213> Homo sapiens

<400> 160
caagatctct attggctttg ctttggttcc tgtttccccc ctaaaaaat ctaacttcta 60
aaaacattct gctcagacaa ccatttcaag ttataggaca catgctctaa aggaaaccat 120
ccaggagaaa catttgcaca agttctccta tgacttgaga ttgcatctga gaaggggtga 180
gggggagaac agacagaaac agcccactct gtgtgcagaa cgccgtgtgt cctcagtgtt 240
tctcggggcc catagctcat tagctgcagt tggatgaag cctgcaacct 290

<210> 161
<211> 246
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 161
cacattttca ccattttatt cattaatggt gtcagatggt ttagtggggc atgtggggaa 60
agaagggtag gagttgtccc cccatccccg tgcacaggtc aggacatgct gggggctcct 120
ggagggagag gaggatgggg tcagcctagc ccctcccacc ccagatttnt gcgagggccc 180
ccaggatgga ggggtggtggg gggatgggca gacccttcag tccagggtag ggaagctgag 240
attata 246

<210> 162
<211> 344
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 162
 gcttgtnacg gttctgttta ttatgtnctc acagccttgt ttatagtaaa ggtgaatgac 60
 atgattccac tttacacgat aatgaaaaaa ctcaatgagg actccatcag ccaagcgggt 120
 tatatggcag atgagctgct acaaactctgt tgtgtgctcg ccgctgact cagctaattgc 180
 taccgggggt ggagcgaca ccgagcccag ccaccttttc catacctggc agaggggaagg 240
 gagtggaagg accagaagg agtaagantc aggaaaggaa cagttttattg aaaggaccca 300
 gagcccaacc taggaaggcc agtggcccat cctgaaatct ctca 344

<210> 163
 <211> 162
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 163
 cagaccctcc tttatttcct gancgatgtc acagcagccg taaaagaaaa ccagatgacc 60
 ccaaccaacc tggcctgtgt cttagcgcct tccctcttcc atctcaacac cctgaagaga 120
 gaganttcct ctcccagggt aatgcaaaga aaacaaagtt tg 162

<210> 164
 <211> 451
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 164
 gcagaggcct ccacttttta tttcagttgt actcatctgt cccactgtgc aaatggagtc 60
 acacgctcac tcaattctga gaggcctggc aagnaaagag aaaagatgcc cagagcagtc 120
 tgtagagtt gcattctcag actaatatct ttacagtctt gagaaatcac tgtcagggtt 180
 tatttaaaat gcagattttt gaaggataaa ttttacgact aatttttttt aataaactat 240
 gcaggattgt tatttagaag atttgccaaa ttttagagtct tcagcgatgg aaataattgg 300
 ccttcttctc acagtcttct gtttataagt gggtaaagaa agttttcttt ccagaaaaat 360
 acagcagaaa atccgatggt tctgatagga gttaattgtg gagatgtgcc agagacagca 420
 gcttcgtgga tggtagacacc acaatgtctg t 451

<210> 165
 <211> 306
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 165
gcatgtattc ttcaattcag ggtcctggta atcactggaa ccacaagtgc aaatgccatc 60
tagaccataa ggactcttat aaaacacaaa ccacttcatac atcaacaaac ctatttgcct 120
actagaactt ttaaagcaag gctgcaaact attcaagtaa acaaccttgt ggggtggttg 180
acatggaccg agagctaaca agagaacact ggaattagct tctcagtttc aaaatangga 240
cctaaaggag tttgcgctat aggagaagag ttgcttgcac tttgttttaa tgggaaataa 300
atatttg 306

<210> 166

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 166
taaacgagat gtttttaaga agtgacaaaa ctacttctaa gttcttcatt ttcctagtta 60
ggacaatatt cacaggaaat tgaaattatt attctaacac ttaaagtga atcactgaaa 120
ctgttttcat ttacctgaag attttaacaa acaggggcat gcaggacaga gtacctcagc 180
ctctgtaaat gcctggaaca cccaactcc caaaggaagg cagagcaggt gcacatttcc 240
agagaggaat tgcaaaggat gccacagaa acaggttaatt cattaccaga gaaaagtccc 300
tgatgttga aatctcatgg ctgaaggcag aaactcaatc cgggtagaag ctnagtcaag 360
ttaatccana tggaagcaac ttaaattagc ttttctttta aaagagacac ctagactggg 420
tcccactcat tacctgccat att 443

<210> 167

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 167
ttgcaaaatc aaaaattttt tattccaaat acaatattct ttccaccaca cctcggctgc 60
aaggcatttt gtagagaatc tgtctgggga gagggatggg tactggaggc acatccgggg 120
caggtaggag acctggtggc caagactggg atgggggtggc accatggggg tatcgaggac 180
gtgcatctgc tccagctcca tgtggcggtta nancngcngc ancngcnggg gctncangct 240
cnngaacncc ntnaanttgt tctcggcgaa ctctcgaaact cgctgtgcac agtgggtggg 300
gtnnaaatcc cagtaanggt cgctatngct ctccccatca ctngctgaga taatgggtaa 360
tactcgtgcg ttttngcggt ttgtataaan ccngtcata agggcaccan gtctttctga 420
tgg 423

<210> 168
 <211> 436
 <212> DNA
 <213> Homo sapiens

<400> 168
 acactccaag cactcacaaa tggctttcac aaacacttag cctaggctgg aacacaaaag 60
 gatatcacaa cagagtccat tgggttttac ttgcttacat caccaaagaa tgttcattggc 120
 agttaatttt caggctgtaa aaactacatc tatggcacca acatggaatt taaaaacaag 180
 ttggatttca aagtacccca aatgccaaaa actgaaagta ctatcaaacy ggtctccaaa 240
 gaagtctagg atgctgtgat gcaggcctgt ccatatacct ccctggaccc tcagggtgcta 300
 cctacaggcc tctgctcatt tcccataaac attacctcac catcccagga caacaaagga 360
 atgccatgta agaaacaaac aagactgggt atctcctacc acaaacagga atacagaaaa 420
 catggggcca gattcg 436

<210> 169
 <211> 461
 <212> DNA
 <213> Homo sapiens

<400> 169
 acaacagcat caaatatcca gggaacttta tttttaaac ataatcaaa cagacacaac 60
 tttcattgac ccaaatatgc ataatccaac ctgaatataa aatgcaactga ataggtaaatt 120
 tacatgatac aaagggaatg taattttaca aatgtgaaat gattgatggc tacagcaatt 180
 taacaaaata attaaaacat tgtatgttta aaaacaagaa tatcttaaag ccaattatct 240
 atagtaaacc aagggaatt ctggtatgga atgatttgat tcaaaggaaa taaggcacct 300
 gctataaatt tagagaatat ctttactttt taaagttata gtaaaataga attagttaac 360
 caagactggc ttcagaggga accaagttca gggattcact tacagggtga aaagaaaatg 420
 atcaatcaca acctacgaag tcatacaaag gaagactaga c 461

<210> 170
 <211> 363
 <212> DNA
 <213> Homo sapiens

<400> 170
 aaattttaaaa agccaacctt tattccactt tgaacaagtt tgtgaatgtc caaataaggc 60
 tccttgaaaa tttctccttc aggggtaagt atcttcacat aaccttcttt ttccagaatg 120
 aagagacgtt gcgagccatc cccactatgc agggcaccaa cgggctgccg cagcccatc 180
 cacaacctcc tgaatacaga agcagttgtg tttgtgcttt ctgctgatct cttccacttt 240
 gtcataattct tccatctggt ccaagtagtt agatgctggt cctctgactt gttttcttgg 300
 aaaatctgga aagcacaacc caccatcttt tcttgcatag taaaagcaaa actcatccgc 360
 agt 363

<210> 171
 <211> 428
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 171
taaaattaat cgtgaacact tttcttggtt aaaactcaaa tacagaggat aggcaggatg 60
tctccctgcc ccaggtttta cttcccgacc caaaggaaac ctggtaactg gctgtcatcc 120
tcccagaagt ttttctatgc ctttatttat taatgtacac ttgtaaaaca gcatttgggt 180
ttgctgttat actaatggcg ttataacata catacattgc agctcttttt tcattttaact 240
gagcctcaga aatcctttcc atatatacat gtagatctag gccattcttt ttaaagctga 300
gtaatgtttc atagtgtggg cataatacct acacttgtgt atttccagta agcctttaca 360
gatactacta ccntttttcc tttaaaaatt aaaaggtata atattaataa aaattccccg 420
ggaatttg 428

<210> 172

<211> 466

<212> DNA

<213> Homo sapiens

<400> 172
attttttata acagctttat tgaggattta ttcacatacc atgcttttaa aatatacaat 60
tcagtgggtc ttagtacatt cacagagttg tgcaaacatc acatctaatt ccagaacatt 120
ttgatcactc ctcccaaact ccataggcat tgactttaat gtaatggcat atacatatat 180
agaaatacat atagaaacca attattctag caccatttcc attctttccc cagggactgc 240
aacatcatct gtcataaatc aacttttcat gtctgtgtga atttggtttt gatctcccta 300
ttgagagact ggtgtacagt atttgtctat ccctgcacaa attattaaag caagttttgc 360
cattctgtta tccttcctca tgaatatctt gattactttt ggccctaact catcaagttc 420
cacagaaatc ccaattggaa tcctagggtta aaattgggtg tgggtca 466

<210> 173

<211> 406

<212> DNA

<213> Homo sapiens

<400> 173
gtagcttgcg tattattttg agcatctttg tttattaccg ctagaaggca ataactagta 60
caatgcttta tatgtataat atatacttat atatgtgtgt gtattccttt aaatcagatt 120
ctgattatct gaacatactt atttttaaaa gacatccata gcacactcta ttctttatgt 180
gtaaggataa acaatccaag catactgtga agatcctgta acatatagct ttatgacttt 240
ggtttaattt tctattcccc agtccacatt gcttgccggc gttctcctac cctgcatatt 300
ctgataacag gagcaaagtg actggcattt tcctccttct atggaaccag gggattcact 360
agtgtttttt ctatataatt cactggcaga gctataataa aacaag 406

<210> 174

<211> 272

<212> DNA

<213> Homo sapiens

<400> 174
tttttttttt taattagctg ttcttgtcat atagttttat tcctttatct ttttttgaac 60
attttataca cccttatttc aatgttcctt ttagatcact ctattctctt tactctctgg 120
gctttgaatc tccttgtttc ttgtatctgc tgccctctct tgggatacct gggagttttt 180

cctctgacct cgtcttcagt aggaaatgat tttccatgag aatcctgggt cccctggatg 240
aggacggtgt ctcttgggga gaatgtctg tt 272

<210> 175
<211> 196
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 175
caatagcaga cttttaatca atgccagaga caaagtgagg ccgagctaag aacacgctca 60
gctncgttac aatgaagaaa tggtttcctt tccgatgcaa gtataattgt aaaccacagt 120
gctcgcacag ttcacgncgt nttaaagnga aatcttagcc atacatcacc taaaagtaat 180
taaaaagtca acacag 196

<210> 176
<211> 417
<212> DNA
<213> Homo sapiens

<400> 176
ttttttttgg catggctttt ttattctctt tgcagccaag acctgttttt acaattaaaa 60
ccaaaatttt gaatcacaag gttcctatgt ctatgcatac ttgggaactt agtgtgagga 120
aataatagtt aattgaaata ctagtggaac tgttaaacca caaatttaga ctaccaggag 180
aaactgaatt atttgatata ttacatgtaa tgatgcacgt tatatatatt acatatatta 240
catatatatc ttgttaggtg aaatgggccc acttgactca ctgaacttta ttttttagac 300
agagtctcgc tctgtcgcgc agattggagt gtggtggtgt gatcatagct cgctataacc 360
tcaaactcct gggctcaagc attcctccca ccaaagtcct gggattagag gcatgag 417

<210> 177
<211> 413
<212> DNA
<213> Homo sapiens

<400> 177
ttcctatgct ttttttctat tttaggcaca atgctttaat aaattacaca aagactacaa 60
acctttatta catcaattgt tacaaaaggc taagtggaga aagattactt atctgaagct 120
gcacaaaatc agtgggcaat atggatttca ttttaagcttg tcaattctcc tggattaaat 180
tcttggcgct gtctcacata ttcccaagtc ctacatgtag aatgctaata gttgcagtta 240
ctaggttggg aaagccatgc ccagacgccc ctgtgaaaaa catatcaata tattaagtcc 300
cttagcaaat cacatctaga ttaagttcat aatgcttttt ttttttttaa ctttgcaaat 360
ctccaaactt ttgctacttt cttaataaaa tacaacaaa tttttggcat tcc 413

<210> 178
<211> 233
<212> DNA
<213> Homo sapiens

tgtgtgtgta aaccctttaa aaagagattt tggaaactga attctgggaa cgtttttttt	240
tttttcc	247

<210> 183
 <211> 289
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 183	
agagggtgat aaatgctttt aatccccaca ttccacacac gggggacgct gtcattcaca	60
ttttcatatt tctgttctgg tcgcagtctg tgtcctcacc accctcatga atgagggact	120
ttgatagatg cctgggtttg tgggctctgc ggtactggga aggagataca caaagggctc	180
tcggaggagg gtgtgggana gctttgaagg ggacaaccac tgcngacacc tggaggggag	240
ctaaggggaa natcctgaga cttaangag acattggaat ggcttgggc	289

<210> 184
 <211> 567
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 184	
attaggagat aagtttactg ttcattctac aaagacactt aactcatgga aactgagtc	60
actctaacce ttgacttcat tacacaaaat gaaacacttc tgaagaaata cagaatttct	120
taactcacgg caggatcaaa gaacaaaggc tcctgctttg gcattttcaa gttgaacaga	180
gttctcaata agaaggccac agtcaaatac taatggaatc tcaactctaa attaaaatga	240
ctaatacatta aactgttcaa cttagagtaa taaaagattt ctagatacag accccgctgg	300
cctatagtca gtctgggaag ggctagaaag aaccaacca tttgtgtggc ttccgtatct	360
tccttgacac agcaatggaa acccagcagg gaaagcagtg gagctggcag agggcagggc	420
gagaagacac ccagttagga ctgacgggag aggagaggcc agggcagcct caggtacagc	480
tcatacctgn acttccttgg cctcagaaag ggttgctgtg attgnccatg ggtccctaaa	540
ggccgccaga ggcccttggc ctggaaa	567

<210> 185
 <211> 423
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 185	
gtggacactg aagtctctgc ttggtagta gtcactaat agttgtacac ggatttctc	60

aaacacttgg aatcaataat tcaaccagtc tctgccaagg agctctgtgt gaatgctgag 120
gcacactcaa cactccgcca tgcaattgac aactctgcat tccctttact tatggcttgt 180
gcagantca agatcagctt gaagtgaagag ctttaaggctt tcttggtttt ttcctgagca 240
tctgcacagt cctgggcatg gatggagtcc tatttatgca ttgggcagtc tagattgcca 300
ataacacttt ggaagctttt caaagtcctt atgaaaatct ctttttccag cttctccttt 360
taggcttttt atttagccaa ttgctttccc ccaactgtta tacattaacc ccaggcagcc 420
aca 423

<210> 186
<211> 219
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 186
aattgataaa ctgagtttat attcacctat tggaaacagt acaacatatt ttacatcagg 60
ttatgaaata tggatgtttt actaaaagac aggaagagct ttttccagtc tttaaagtaa 120
atacatattc aaagaatctt aaggcatacc atttattcat attcatactt attgaaatac 180
tgtacatcca catacttcaa taaatagtta aaaaccnga 219

<210> 187
<211> 477
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 187
gaccatata tctattttatt tatcttattt attatccgtc tctcccagct aggatgtaag 60
cctcgtgaag gtggaggagg ggggcttatt tctgaatctc cagcatctag attggtacct 120
gccacacaaa tatgtgctcc ataaacaaat gcactttttc ttttctgcac tccctggggtt 180
gcaggctgca tgcgaanacn gtcccaagg ccagggatct gtctcaagcc tttttgaaaa 240
ccaccccttt cctacgtgcc ccacacccag ctctagcagg gtgccctcct gccctgagc 300
ctgccctcat catgccatt gccgaggcct caggactgaa tcacattttt ggagtcttcc 360
caggataagc caataggcat cattattcta cagcgatgct catgtataat tataattatt 420
atcctatatg aacgatccat tgctgctgtg taattccaat ggnaattact gggccta 477

<210> 188
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 188
ngaacggtct ataagatcca gatgtttatt tcaaaaccca aacccttggt accttgaaga 60
atctttacat atttacgtaa tacactgtac attatatgca tggcctgttt atactatttt 120
caaaaagaga atattgtttt aaactattaa taaacaaaaa ttaattgata gggcagcatc 180
aatctgtatt ccatccttgg tccatggatt tccttaaagt atggcatcat gttcatctat 240
ggttcgatac cgaatgcctc ttcttgagta atacattttg catccaatgt aaagaataga 300
taaaactccc agcgtaata caataccacc aacaaagctc ccagtatcaa attttgatcc 360
tttctttgct tcagaatgca tagttgttgt gattgttact gatgaagcag cagatgtcac 420
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acacttggtt ggttttgggg t 501

<210> 189
<211> 310
<212> DNA
<213> Homo sapiens

<400> 189
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gttgtttgca atgattggca aacggatgag ttaaaaaagc cttctgttcc cacactgttc 120
cgtctacatt cagaaagcag taaaaatata ttcgtgcaat gaacactttc caccttaagc 180
gtatcatgac agttcacaaa tttgccaaca gacaatgcaa aacaatattt acaagataga 240
ccctttgtaa gttccaaatt tagatacttg tgggtgaatt ctaaaactaa catcgcatgt 300
ttttccaggt 310

<210> 190
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 190
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tagtatttgt tgtatagact gaaccatcct ccaaaatttg gaagtcagga tcaattgaat 120
gaattagatt tgcagctgta aagcactctt tcaggttaac tctaccaaca agtttctcgg 180
catctagttt ggaggggaaca tgtaatgtca catttttgca ggcactactg gcaaataatta 240
agatcgcgag ggtcagcagg agcagccggc agagggctcc gttccaggag ccggacgggc 300
ggngctgcct ccatggagag ggctcggggc aggtcgcggg ccgancgtcg ggccgggggt 360
taggagggct ccgcggggcg agggccgcgn cggaagcgca gtctgggccc gctgctcagg 420
aggaacgcga agcganggag gttgggg 447

<210> 191
<211> 441
<212> DNA
<213> Homo sapiens

<400> 191
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<221> misc_feature

<223> n=a,t,g or c

<400> 194
gtgttccaat aaaactttat ttacacacat tgaaacctga atttcataca attttcacgt 60
taccaaatth taattttttt tcaactatth aaaaatgtta aaaccattct tagctcacag 120
gctatgcgaa anagancaac cagccagatt cggcccacgg tttaaggcca gtttaagcct 180
caccaccttc ctagccccac tcacctatth tgcctctca tcttcctgtc cttcagcacc 240
cccatgacct tcctgtgacc ttcaatggcc cctccagctg ccgtccagcc ctgtctgtct 300
gcccttnggg gaccctctcc tcctgggctg caggactgtt ttttcctgga gcaggtctct 360
aaatagctcc attcgcttg gcagggggaa tccag 395

<210> 195

<211> 482

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 195
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cctcccagtc agtagcatgt cttttcattt ctcttttctg ggcccttcac agagcagaag 180
tgtttaatth tgatgaagtc cactctatcc atttttcttt ttatggatca tgcttctggg 240
atcaagaact ttgcctctct ccttagatcc cccaaattht ctcttttatg ttgttttcta 300
aaagtattat agtttacgth ttacttttaa gtctatattc cattttcagt taattttgta 360
taaaatgtga gacttaggtc tgggttcatt tttnttgttg ttgccatgg atattcaatt 420
actcccaaca tgatatttgg tcgaaaaggc ncttttttgg ccaatgaatt ggthtttngc 480
ac 482

<210> 196

<211> 397

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 196
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tgcggcatgg cgggtggcga agtggtggta ctgggcgtcc ccaaccacgg ccttgaagcc 180
gtcgtctgac gcatgatga gcacctcgaa gggctgcccg cgttggaag gaacgcccgg 240
cccgcgctcc tcgcgcccc aaggaagcct tgctccttg ctgttgaaga ccacctccga 300
cgtgtccagc cgggggttga aatgcagcgc ggcatcggag cctgctcct tccccgcaca 360
gcaggtttta caatggaacc ttgcttnggc atttggg 397

<210> 197
 <211> 513
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n=a,t,g or c

<400> 197
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 gcatgggcat gcattacatg gtccataatg ctattccaat taggcctttc atagtgcctt 120
 ctcataacgt ccttttaaaaa aaataataac tgaaagggaa aagaaagtgt caattgcaat 180
 tacattttaca aaaccaaact gctgctttca attagagtga atctgtgctt cgctactcag 240
 atatacacat gtagattttc caaggcccat gcacacactt ctgtaggggc agaaattttc 300
 tatgaataat ggcttttagca acccgaatag tatctctaaa cattgacaag cttggggaac 360
 agggcaacaa gtgcaatgaa caatacaatt tctaacgttt gtcccagtcac acataccact 420
 ttgccctgga gatatttaac acagcatttc atttttggaa tgataagggg taattcntcc 480
 aatttanggg gattatacng aatataccna taa 513

<210> 198
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 198
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 attaagtcac aatcaccatt caaagacaaa ttttcctctc aaaataataa tttccattct 120
 gctacctaca gtttggttta tcctttgggtc tgatagccat acttcatctc acgaggacta 180
 tacaagtatg tactatgtac aaaacatttt caagtttgct ttca 224

<210> 199
 <211> 448
 <212> DNA
 <213> Homo sapiens

<400> 199
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 aaaaatacaa ttgattttct gtatattgat ctagcctgtg accttgctga acttgattaa 120
 ttctattaca ctatgatttt ttgttggtgt tagaccctta cacaatcaaa tgagggttaa 180
 aaaaaattgt cagagtggcc ccagaccaac aacaggatga cagtagcctt tgcccataca 240
 gagataaaaat ttagtttttg cagtcctttc ccatagagat tgtatggcag tagcaattct 300
 atggcctact gccatacaac ctgaactgaa gtccagaaag tttaggtgac tgggccacag 360
 agctaattac tgggtggagcc aagaagagaa attatatccc tacctccttg cccactaagc 420
 tccccattcc agtgggctgc tttctggt 448

<210> 200
 <211> 378
 <212> DNA
 <213> Homo sapiens

<400> 200
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gggacaaaaa agttgcccc aaaaagtccta ggggaagctta tgggtacact taccttgctg 120
gagaatggtg ccatctgcat taactgggtg atagacgatg gtctgccctt cagcagtctg 180
tgcacttgct gtccctggac agaattcgtg ctgcatgtgt ctgggtctggc cagcagtgc 240
agccgtctgg ggctgctgga tgatgatctg ctgggtctgg cctgctggcc tgcacctgca 300
cagcctgtcc accctggatc tggatctgtc caggtgggac caactgggtat ttgctgcaaa 360
ccctgtgttc cagaaaca 378

<210> 201
<211> 403
<212> DNA
<213> Homo sapiens

<400> 201
caagtgaaaa taaaaattta ttccaagttc aaagtcatag agaggaactg aagtcacag 60
gtgcaggact ggggtcagga aagggaagg actttgtgtg gctttatatg aaggaacgag 120
tttaacatga ggaaggaacc atgaaccaga gataaagaaa gcctgtgcag aaagttaaag 180
gacccctttc ctgtttctta gctgacaaag actttcttca gctagccata aggcaactgt 240
caaatatcat cacatttatt ttgaaggata aaatttgtgc aagctcaatt gaacagcaag 300
aactagatgc aaggaagaag tcagccagga tgactgtggg gctgggtcat ttctcagctt 360
gttagagact gagccagag atagtcttta gtccagactg tta 403

<210> 202
<211> 393
<212> DNA
<213> Homo sapiens

<400> 202
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cttcagaatg gaagaattta tctgcctctt atttgatgtg gatcagagct aagatggctg 120
actaaataaa catgggggac tggaaatctcc ttggagatac tctggaggaa gttcacatcc 180
actccaccat gattggaaag atctggctca ccacctgtt catatttcga atgcttgctt 240
tgggtgtagc agctgaagat gtctggaatg atgagcagtc tggcttcac tctgcaaag 300
aaacctaatt gctacggggg ccggaagagg aataggtgcg gctccgacag ccagaggggc 360
gggcatacgc agcctccctc ggctcagcct gct 393

<210> 203
<211> 395
<212> DNA
<213> Homo sapiens

<400> 203
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acaaaaacat gacttgtaat tattcaaata aggtaggatt tttctcttaa gtacacttct 120
taaaagtcac tcacaagaca actgggcac cactaagacc aaggcactgt gggggaggca 180
aacagcacia catcctcacc tcaaggagct cagcctggga tgaagacaga cacacacaac 240
tccagcatga ggccaagggg tagcctgtta tgggatcaag tgggtggcaga atcaagaagt 300
ggttctgaaa gtgttcttta gtcacagaga ccagtaggtt tgaaaccag tgatgttact 360
ttttaacttt gtgccttacc tactataagc ctacag 395

<210> 204
<211> 115
<212> DNA
<213> Homo sapiens

<400> 204
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gatactcctg tctccacctc ccaaagtgtt gggactacat cacagctcac ttgaa 115

<210> 205
<211> 411
<212> DNA
<213> Homo sapiens

<400> 205
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ctgcattgct caactaatga atgcaggaag gactgcatga ggccagcacg gcacgtcctc 120
acaccagcag ttcttcttgg tctgagtcct ttcctggctg cagcagagag aacagagaaa 180
gcgcaacact gtgttcatgg tgctattgta attaatgtat tataattatt ttgtatcttc 240
tgtagatct tctgccttga ttcccagtggt ccaaatacaa aagtattgac tactgtccct 300
gatgtgaaga gcaggatcta ttgaagccga acacatcatc tttcagttcc aggtaggagt 360
gcagtaagaa gagttttctt acaggcatga tgcgtgtgat ggataagtgt g 411

<210> 206
<211> 414
<212> DNA
<213> Homo sapiens

<400> 206
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tggccttgac aatctccatc aaagaaacca aataagcatg ttaaggaaac atacagtata 120
tgaacagtta attcttgtat tgcttggaca tcaataaatc taataaaaac gaccaagaat 180
agtcactcag ttttacaata tagaaggcag agaaaactct gacactccaa gttgtgaaga 240
caatgaaaca ttccagtact ccattagagg actttttgta tctacagctg cctgtgcttt 300
gaaggtaaaa acccagaatt taaattcaaa catattcagt taatgcactt atgcatttta 360
caaatttttg ttctggtata gcatatgaaa gggagctata tctgccccca tttc 414

<210> 207
<211> 382
<212> DNA
<213> Homo sapiens

<400> 207
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aatcctctga gtggcacccc aaaattgaga aaggcagaga aatgaataat tcaataatgc 120
tgaaagtcac caatgtaatc aaaattccca agaacaggac agtaacagcc ttacactgac 180
tatttttggtg agaataacca caaatgtagt tttgatctag gatgaaacca aatgtgagga 240
gaatgattcc agctattgct ccaggggcac taagaaaatt cattattcgg ctcaatatta 300
tcagagtttc tgtggttttt cttttcactg caattaggag ggctccagaa ttaatgaaca 360
aaacagagcc ccagaatgga ta 382

<210> 208
 <211> 252
 <212> DNA
 <213> Homo sapiens

<400> 208
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 ttaaaaggag aatggagcta ggagttgaga gaggcaacaa ataatgagag agcagaaagc 120
 aaatccacaa aaaactgtca catgacagag gccagaatgg agctgatgca gctgcgtcat 180
 ttcctacaga cctagttgac catgtggaga agaggcttga acaaattggg acgttctcca 240
 accttccaaa tc 252

<210> 209
 <211> 429
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 209
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 agattctcaa agggattctt aatctagaaa gtttgcaag agatggcaaa ggtgtttgaa 120
 agctatcagg aaaccatcct cgcgtaaaac gaagcagcgc tacagaagtg ggctgccatg 180
 ggaatcggga ggcccagggt ccaactgctaa cttgctgcag cttactgggt gattgtctct 240
 cgcgagaaga cgggccgcgc cggcgatacg gattccgagc gagtgggtgg gtagtggtg 300
 gtgggtggcg cgcgagcgc gcggccatat ttggtgaggc ctgcggagcg gcagacnngg 360
 ttcagctggg agtagcgtct gcccttttcc ccaccaccg tccgcactctg tgtgctgcgc 420
 gaagaggca 429

<210> 210
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 210
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 ccaagagact cttggagaag caacacagtg gaagactttc actatcagat agcaagacct 120
 tcaagttatg agaatgaaga gtagtactta aagacttaca aagagaccaa caggacaaaa 180
 aagaaagtcc agaaacatat ccacacatga atctttgact tatgacaaaa ttggctctgt 240
 agagtagctg gaaagggaaa gtctttttaa taaattgttc tggattaatt tgatatccat 300
 ctggggaaaa aaaaaaacia aaaacaatat tgacctctac ctcatgtcat acctaaaaat 360
 caattccagg tggactgtag atttaaatgt aaaaggtaaa ataataaaac tc 412

<210> 211
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 211

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ctcaattatt	ccagttaatg	gattttcacgt	taaatagttt	aactttcaat	gggctttctg	120
aagagctgtt	cataggatga	tatttggaag	agtcctttcc	ttaaggaaaa	aaagggtgaa	180
caataaataa	agagttactt	gcgttaacgg	tcacgttatt	tcattaaaag	agag	234

<210> 212
 <211> 353
 <212> DNA
 <213> Homo sapiens

<400> 212	tttcttcatt	ttcctagcaa	ctaaaacgaa	caaaaagaag	tactgaaatg	caggactgac	60
	aacttaaaat	aattccattt	ttgtttctag	tttttttctt	gaacgttaaa	gacttaaacg	120
	ataatcactg	cacatagaaa	ctaagtattt	ttgtcttaat	tgaaaattag	ttattaactc	180
	ataaaaagat	ataaaatatt	cttcaaagtt	aaagccctaa	atttaaattg	gtttatgtaa	240
	gaaatccgtt	gacactgatg	aattaccctc	actaaggctg	ggaggaggag	aataatcttc	300
	catgtcagaa	tctgacggac	ttcgggtttcg	ataacgacca	ccacctgaac	tcc	353

<210> 213
 <211> 341
 <212> DNA
 <213> Homo sapiens

<400> 213	aggcaatcct	ccctccttgg	cctcccaaag	tgttgggatt	tcagggtgtga	gccactctac	60
	ctggetgaga	cttgcctctca	tttttaaatt	caaaaaatgt	tttccataga	tcggccgcct	120
	gtggaaaaag	gtgactcagg	cctgtaatcc	cagcactttg	ggaggccctag	gtgggtggat	180
	cacctgaggt	caggagttca	agaccagcct	ggccaacacg	gtgaaactcc	gcctctacta	240
	aaaatagaac	aattatctgg	gcatggtggc	aatgcctgt	gatcccagct	attccggaga	300
	ctgaggcagg	agaatcactt	tagcccatga	gacaggggat	g		341

<210> 214
 <211> 351
 <212> DNA
 <213> Homo sapiens

<400> 214	cagggttcaag	ttgaacagct	cctctttaat	caaagggaga	acacagatgt	atcaaacaga	60
	gtaggaaaga	aatgtatcaa	aagacagtag	gaaagaaagc	ctttccttct	tgaaaggctg	120
	agggtgagag	ggaaagctaa	tttatcacta	caactctatg	gtagctttcc	atgctaaatt	180
	ttccctgcct	cttttgtgat	tttttgatat	ggaagagtag	gggttatatc	ttctctgtaa	240
	caattaggcc	atatttcctt	ataccaagta	gagggtgctca	aacactgtag	tggtattaaa	300
	gggctgagga	gagtaactga	agactggcat	acagaactcc	acctggagga	c	351

<210> 215
 <211> 417
 <212> DNA
 <213> Homo sapiens

<400> 215	ttttaatggt	gaagactcca	ctcagtcatt	tgagctccag	gaagccttcc	ctggccaccc	60
	ataagttaag	agaaaagccc	ctctttctgag	ctcccagagc	acccacttca	tacctatgct	120

atagaacaca	ccgccaagga	cggaaattat	ccaaaggttt	gtgtccattg	attgccatgc	180
caggcatcca	gctctgctga	agcacgcagg	ggccctgact	tcctcattag	gtattctcaa	240
cacctccacc	agcagctggt	aggcagcaga	gctattgtta	ctgagctgcc	cacggaccaa	300
tggatctatg	aatgaacctg	aacgtcttcc	ctggagaaaa	gcacttgctt	gtcaagggag	360
gaacaggggt	ctgaaatgct	aacccctgcc	ctatagtatg	gggtgtgcata	cggtgca	417

<210> 216
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 216	tttattttta	tttttgaaca	atgagaacac	atggacacag	gaaggggaac	atcacactct	60
	ggggactgtt	gtgggggtctt	tagagggggg	agggatagca	ttaggagata	tacctaatgt	120
	taaatgacga	gttaatgggt	gcagcacacc	aacatggcac	acgtatacat	atgtaacaca	180
	cctgcacgtt	gtcgacatgt	accctaaaa	ttaaagtata	aaaaaaaaa	gtcaggaaac	240
	aacaggtgct	ggagaggatg	tggaaaaata	ggaacacttt	tacactgttg	gtgggactgt	300
	aaattagttt	aagtattgtg	gaagtcagtg	tggcgattcc	tcagggatct	ggaactagaa	360
	ataccatttg	acctagccat	cctattactg	ggtatatacc	caaaggatta	taaatcatgc	420
	tgtataaaag	acatgcacac	gtatgtttat	tgtg			454

<210> 217
 <211> 387
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 217	gatccagctt	attcttttat	tttcaagtcc	attcttgggg	ctggtgggga	ggcaggagaa	60
	taccctccc	taagccctta	gtgtgtgccg	agcttgcttt	ntgatgttgg	caggggaggg	120
	gagacctggg	tggtnctga	gttcccttta	tcaaaccctt	caatgggcac	aaaattgagt	180
	gcttnnttnn	taggttttat	ttnnnnatga	atgtccaaat	ctgtgtttcc	ccctgccana	240
	acagactgtg	tggccagttg	aaagtgtctt	ggtttgtggt	tcactctctc	ctcattttct	300
	tggaggcagg	gcctgaganc	cctgncanaa	tctcctatgg	ttntgaatcc	acggcttctt	360
	tttggacatt	aaaggttgat	ttgatgc				387

<210> 218
 <211> 481
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 218	ctcgagactg	aatcttgctc	tgtcgccatg	gctagagggc	agtggcgcaa	tctcagctca	60
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<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 221
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 cctctgacgc catcacctcc tcctggcccc acccaagggc tcgacacaag cccaagggtc 180
 ggggggagag gggcggggcg gaaccgaggg cggaggcaag gtgggattcc aggaaggcct 240
 tccgaagatg ggacgggtgg tcctgtccct ccaggtagct tgtgggtgtg gacagcagga 300
 cttgctggct cagtgtgggc acaaggacac tgtgccactg gttgagttag tggtagggga 360
 ttggaggtgg ctcccagagg actccatctt gcatggccct ggccttgtgg cttccagnag 420
 gcttgccctg gctgtgggta agccangagc anatgcg 457

<210> 222

<211> 325

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 222
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 acacaaaagt tgggaagaga aggatgtcaa ttagactaca tcaaaatctg ggcagaggga 120
 ggacaaagag ctgcctaaag aaactggtag ctggagcaaa ctgcagagnt caagatgacc 180
 ctagtccacg gaaccagcag cccaggncag ccacnttcag gngcaccacc cngggcacgg 240
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<210> 223

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

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<210> 224

<211> 433
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<220>
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<210> 225
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 225
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 gtcataaagc tgatgtgtgt gtgggtgttg ctgttttctt cacagtctca tgccagacac 180
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 <212> DNA
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<220>
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 <223> n=a,t,g or c

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<210> 227
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<220>

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		tttcagggta	aatggagtct	gctctcatcc	atggttaaaa	gtggattgag	acgntctaca	240
		gaganttcca	tcttcttttt	aaggaacaca	tccgaacgan	ttcagaaggg	aaattttgat	300
		atttaaaant	cagtgtctct	cacttcccac	tccatcncnc	acctcccttt	ntaagctcag	360
		agcacagcgt	tcttacggtc	cagccaggga	atctttccag	aaaggggnnt	gagagtttcg	420
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		tcccaagggt	cagggcgtag	ttgtcatgtg	taccttcgag	gnttttnacg	gnctcagggg	540
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<210> 228

<211> 179

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

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<210> 229

<211> 388

<212> DNA

<213> Homo sapiens

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		aaggtttgta	tttgctgtga	cctctattgt	cttgagagac	agagtagaca	gaagaaataa	180
		caaatgtgaa	gtcctggaat	atagatgagc	ttgtgatgaa	agacggaaca	gagtgaacgg	240
		tcagagctgt	tggaggaaga	aagcaggaag	ggcaataaag	gtccaagtgg	tagccagagc	300
		ctcggtttat	tctagatgag	aaggggagatg	gtggagtctt	ttaagcagga	gagaaacatg	360
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<210> 230

<211> 250

<212> DNA

<213> Homo sapiens

<220>

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<223> n=a,t,g or c

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<210> 231
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 <213> Homo sapiens

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<211> 1311
<212> DNA
<213> Homo sapiens

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<210> 233
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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 1972

<212> DNA

<213> Homo sapiens

<400> 258

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 <211> 1857
 <212> DNA
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<211> 2553

<212> DNA

<213> Homo sapiens

<400> 260

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<211> 2258

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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 <212> DNA
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<211> 3291

<212> DNA

<213> Homo sapiens

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<211> 816
<212> DNA
<213> Homo sapiens

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<211> 1475
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 <213> Homo sapiens

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 <211> 1283
 <212> DNA
 <213> Homo sapiens

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<210> 295
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 <212> DNA
 <213> Homo sapiens

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 <223> n=a,t,g or c

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<210> 296
 <211> 304
 <212> DNA
 <213> Homo sapiens

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<210> 297
 <211> 701
 <212> DNA
 <213> Homo sapiens

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 <213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<211> 4003

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<211> 278

<212> DNA

<213> Homo sapiens

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<210> 306

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

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<400> 306
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<212> DNA

<213> Homo sapiens

<220>

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<223> n=a,t,g or c

<400> 307

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<210> 309
 <211> 169
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<223> n=a,t,g or c

<400> 319
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 cgagtgggtg acaacagtgc cctggggaac agccatacc atcgggctcc tcgctncatc 180
 catgtctata agaagaatgg agtgggcaag gtgggcgacc agatactact ggccatcaag 240
 ggacagaaga aaaaggcgct cattgtgggg cactgcatgc ctggcccccg aatgaccccc 300
 agatttgact ncaacanegt ggtcctcatt gaggncaacg gggaacctn tngngacan 360
 gtattnaaga cacngtnccc acctaggctg tgggnaggtg aagggcgagt tttcccaagn 420
 tgggtgggcct tngttnagan ctttgtgttg ngtttgggnc nngnta 466

<210> 320

<211> 2409

<212> DNA

<213> Homo sapiens

<400> 320
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 taccceaacg gcctgcaggt gaacttccac agccccgga gtggccagag gtgctgggct 180
 gcacggaccc aggtggagaa gcggtggtg gtgttgggtg tacttctggc ggcaggactg 240
 gtggcctgct tggcagcact gggcatccag taccagacaa gatccccctc tgtgtgcctg 300
 agcgaagctt gtgtctcagt gaccagctcc atcttgagct ccatggaccc cacagtggac 360
 ccctgccatg acttcttcag ctacgcctgt gggggctgga tcaaggccaa cccagtcctc 420
 gatggccact cacgctgggg gaccttcagc aacctctggg aacacaacca agcaatcatc 480
 aagcacctcc tcgaaaactc cacggccagc gtgagcgagg cagagagaaa ggcgcaagta 540
 tactaccgtg cgtgcatgaa cgagaccagg atcgaggagc tcagggccaa acctctaag 600
 gagttgattg agaggctcgg gggctggaac atcacaggtc cctgggccaa ggacaacttc 660

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caggacaccc tgcaggtggt caccgcccac taccgcacct cacccttctt ctctgtctat 720
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cggccccaga tgcagcagat cttggacttt gagacggcac tggccaacat caccatccca 960
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tacaacatga taggataccc caacttcac atggatccca aggagctgga caaagtgttt 1560
aatgactaca ctgcagttcc agacctctac tttgaaaatg ccatgcggtt tttcaacttc 1620
tcatggaggg tcaactgccg tcaactcagg aaagcccca acagagatca gtggagcatg 1680
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gggatcctgc aggcaccatt ctacacacgc tctcaccga aggccttaa ctttgggtggc 1800
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gacaaggacg ggaacctccg gccatggtgg aagaactcat ccgtggaggc cttcaagcgt 1920
cagaccgagt gcatggtaga gcagtacagc aactacagcg tgaacgggga gccggtgaac 1980
gggcggcaca ccctggggga gaacatcgcc gacaacgggg gtctcaaggc ggctatcgg 2040
gcttaccaga actgggtgaa gaagaacggg gctgagcact cgtccccac cctgggcctc 2100
accaataacc agctcttctt cctgggcttt gcacaggtct ggtgctccgt ccgcacacct 2160
gagagctccc acgaaggcct catcaccgat cccacagcc cctctcgctt ccgggtcatc 2220
ggctccctct ccaattccaa ggagttctca gaacacttcc gctgccacc tggctcacc 2280
atgaacccgc ctcaaatg cgaagtctgg taaggacgaa gcggagagag ccaagacgga 2340
ggaggggaag gggctgagga cgagaccccc atccagcctc cagggcattg ctcagcccgc 2400
ttggccacc 2409

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<210> 321
<211> 457
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> n=a,t,g or c

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<400> 321
cgtcatacaa tcttggagtc ctgcatttgg atggcatctt ccctggagtt cctggaagga 60
atcaaaacttt agctggtgaa tatttccata aggtgcgca aggtggacac atggaagga 120
ccttgtggtg ttctctctac tatatcacag gcaacctgga gacattccct agagatcctg 180
agaaagctgt tgtatgggca aaacatgtag ctgagaaaaa tggctacttg ggccatgtca 240
tccgcaaagg cctcaatgcc tacctgggaa ggttcatggg catgaagctt tgctgtatta 300
tgttttagca gcagaaactg ggaattgaag tgtcacagac aaatttagca cacatctgtg 360
agggagaggc cagacctggc caggggagat antttgggtt ttaactntg ttttgggaga 420

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ttantattaa tttcntctgt tttttcaa at cccgatgg 457

<210> 322
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 322
tattccttgga tgtacaaaaa attcagaaaa tgatctctgt agatattctg ttttattttg 60
gtcatcttta gaagttatca ggaatgtgtt taaaacaaga agagaacttt tctaaggaat 120
gatacataga aaagatttta ttttaaaatg agttgttaaag cttgtgtttc tttgttgctg 180
caagctatct gcccaagtta atgcaaatgg acacattttt tatgtcagaa aaacacacac 240
acacacacac acacacacac acacacacga aaaacaaagg aaaaaaatgc ttgagctttt 300
tctaacttcc ctttgcagtc tgttgtgtga gcagcctgtt tatttcntct aatattatgt 360
cagttttattc tctttaatgg gantgttaaa aaatgttatt cacaggagtg c 411

<210> 323
<211> 462
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 323
gctggggcctt agctgggagg tgggtctgaag cagacagggg atgggagagg nggatgggaa 60
gtagacagtg gctggtatgg ctctgaggct ccctggggcc tgctcaagct cctcctgctc 120
cttgctgttt tctgatgatt tgggggcttg ggagtcctt tgcctcctc tgagactgaa 180
atgtggggat ccaggatggc cttccttctt cttaccctt ctcctcagc ctgcaacctc 240
tattcctgaa cctgtcctcc ctttctcccc aactatgcat ctgttgtctg ctcctctgca 300
aaggccagcc agcttnggag cagcagagaa ataaacagca tttctgatga aaaaaaaaaa 360
aaaaaaaaacc gcggccgaaa gcttattncc ctttaagtaa ggggttaatt tttagcttgg 420
gcactnggcc ntcgttttan aacgtcgtga attnggaaaa cc 462

<210> 324
<211> 2088
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 324
gtatactcat taccaaaaaa aacaatatct gcatttcatt gttttaactt tgttttcttt 60
cttttctttt agtgttcctc tgaacaacag ggagaatatc tctgatccca cctcaccatt 120

gagaaccaga	tttgtgtacc	atttgtctga	cctgtaagat	atattttttt	ccatagtaat	180
atagatgtgg	aagttaatag	cttttaattt	taaccttggt	agtaagaatg	tttttaaaaa	240
tatgttggag	tataaacatt	tacaaacata	atctgaactt	ttgaatacat	taattcctat	300
gttaattatt	aggtatcata	aattcataaa	actttgtcac	agataaaatt	tagctataca	360
ttttttctaa	agaaaaaatc	attggcattc	atagaaaggc	caattttctt	taatagttca	420
ataagtgnat	ttgatcttat	aaaaaggcag	gtgtttcttt	ggaaatgaca	gactccaaca	480
tcaatttttt	taaaaattct	ccctttcttg	tcactataaa	taacttgttt	agacagatat	540
acagttggga	ataagcctaa	cacagtagaa	attgctgtat	ggtgtagata	aaacaatcat	600
attatcatat	cattaattat	attgcttact	ttcaactaat	atataattaa	gattggaaaa	660
tcccataagc	tattctgtat	tgtagagctg	cttatgtctg	aaaggagtca	tcccttgctg	720
tcatgtcaga	gctgcaagaa	ctaattgatt	ttggattgaa	atgtgtagtc	acattttgag	780
acagcatttg	aggggattgt	ctaatacata	tatttgcttt	tcagctgtaa	aaaatgtgat	840
cctacagaag	tggagctgga	taatcagata	gttactgcta	cccagagcaa	tatctgtgat	900
gaagacagtg	ctacagagac	ctgctacact	tatgacagaa	acaagtgcta	cacagctgtg	960
gtccactcg	tatatgggtg	tgagaccaa	atgggtgaaa	cagccttaac	cccagatgcc	1020
tgctatcctg	actaatttaa	gtcattgctg	actgcatagc	tctttttctt	gagaggctct	1080
ccattttgat	tcagaaagtt	agcatattta	ttaccaatga	atttgaaacc	agggtctttt	1140
tttttttttg	ggtgatgtaa	aaccaactcc	ctgccacca	aataattaaa	atagtcacat	1200
tgttatcttt	attaggtaat	cacttcttaa	ttatatgttc	atactaagta	tcaaaatctt	1260
ccaattatca	tgctcacctg	aaagagggtat	gctctcttag	gaatacagtt	tctagcatta	1320
aacaaataaa	caaggggaga	aaataaaaact	caaggagtga	aaatcaggag	gtgtaataaa	1380
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agcttcgcga	ttttctttac	tattcttttt	aaaaaaagtt	tcactgtgta	gagaacatat	1500
atgcataaac	ataggtcaat	tatatgtctc	cattagaaaa	ataataattg	gaaaacatgt	1560
tctagaacta	gttacaaaaa	taatttaagg	tgaaatctct	aatatttata	aaagtagcaa	1620
aataaatgca	taattaaaat	atatttggac	ataacagact	tggaagcaga	tgatacagac	1680
ttcttttttt	cataatcagg	ttagtgtaag	aaattgccat	ttgaaacaat	ccattttgta	1740
actgaacctt	atgaaatata	tgtatttcat	ggtacgtatt	ctctagcaca	gtctgagcaa	1800
ttaaatagat	tcataagcat	atacctgtgt	gaaataaatt	gttggaaaaa	agtttcttta	1860
tgttaacttt	ctttacgtaa	gttaacttgt	tattgatgaa	tggtttgtaa	gtatgatgta	1920
atgaagcatt	aatcacagaa	ctaatacatg	tacatatattg	aggtggcttt	gccattttat	1980
acccataatt	aaataaaaag	gcaaaatccc	ccctgataaa	taccatgttt	atcatggcac	2040
ataaaaacttt	atggcagttt	ccaaggccaa	ttgacatata	tattttaa		2088

<210> 325
 <211> 458
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 325	agaagattca	aacaccatct	attgagcacc	tacattgtgt	gccaggtagt	aaaataggtg	60
	ctttcataca	cattgtctca	attcctgtga	ggtcagaatt	atctctgcat	ttgaaacttg	120
	aggaaacatg	ctcagagtgc	aagaagcttc	cttgcttgag	atcacctaga	aaggaacctt	180
	cagagccggc	aactgaatct	tggtccctgt	gatgtcaagc	ccattgctct	nccactncag	240

aacatggcct	ctagattaat	gccaccgatt	caggaacacc	tccgacagtt	ttgaaatacc	300
cccatgttgc	cttgtttgtt	ttttccttct	gggcttcttc	tattacagtc	tctttcattg	360
ggaaggctct	gttagggcca	agggccagga	ggctggatta	ctggacacgg	gagtcccaat	420
gtcaggattn	gccancattc	aggatngett	gggggggtt			458

<210> 326
 <211> 1574
 <212> DNA
 <213> Homo sapiens

<400> 326						
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gctccagctg	gagggtagct	tttaagctgt	tcaaggtcaa	gatgaataca	aactcaaagg	120
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tggaagcaaa	aagtcacctt	caatggcagg	aatccagact	gaaacgcagt	aatccactgg	240
caagggaaat	cttccgaagg	cactttcgac	agctgtgcta	ccaagagacc	cctggaccaaa	300
gggaggctct	tactcgactc	caggaacttt	gctaccagtg	gttgaggcca	catgtgagca	360
caaaggagca	gatttttggat	ctgctggtgc	tggagcagtt	tctatccatt	ctgccaagg	420
agctccaggg	ctgggtgagg	gaacactgtc	cagagagtgg	agaagaggct	gtgattttgc	480
tggaggatct	ggagagagag	ctcgatgaac	cacaacatga	gatggtggcc	cacagacaca	540
gacaagaagt	cctctgtaaa	gagatggtgc	ctctagcaga	gcagacacca	ctgaccttcc	600
agtcccagcc	taaggagcca	cagctcacat	gtgactctgc	tcagaagtgc	cattctattg	660
gagagacaga	tgaagtaacc	aagactgagg	acagagagtt	ggtgctaagg	aaagactgtc	720
ctaagatagt	ggaaccacat	gggaaaatgt	ttaatgagca	gacctgggag	gtatcacagc	780
aggatccctc	acatggagaa	gttggtgaac	ataaggatag	gatagagagg	cagtggggaa	840
acctcttagg	agagggggcaa	cacaaatgtg	atgaatgtgg	gaagagcttt	actcagagct	900
caggtctcat	tcgacatcaa	agaattcata	ctggagaaaag	accttatgaa	tghtaatgaat	960
gtgggaaagc	cttcagtcga	agttctggtc	tttttaataca	ccgaggaatc	cacaatatatac	1020
agaaacggta	ccactgcaag	gagtgtggga	aggtcttcag	tcagagtgcg	ggtcttatcc	1080
agcatcagag	aatccacaaa	ggagaaaagc	cgtatcagtg	cagccagtg	agtaagagct	1140
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agtgcatgga	atgtgggaaa	agctttaatc	gacactgcaa	cctcatctgc	catcagaaga	1260
tccacacagt	ggctgagctg	gtctagggct	tggctatgag	caagttttcc	agatcaccac	1320
ccaagttgtg	tggggcaggt	tgagactaga	aatgcctct	ttcttccttt	ctccatgaaa	1380
tgtgtttgaa	acaaatcctg	acttaaggcc	cagggacttc	cttaaaggaa	agttgggtgt	1440
ttgaagctac	tgttttctct	tttgttcaat	ttacctcttt	cttactctta	ctagctgtgt	1500
ccctcttatt	tataatttat	ttattttttt	gagatggctg	ctaaaccctt	ctaataatat	1560
aataaatggc	actg					1574

<210> 327
 <211> 480
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 327						
gggaagttta	ctgggccatc	acagactttt	gttctagtga	ttgtatgtat	taggagtcac	60

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agcatgccct acggagatct ggattcttat acactaagat gtgtcttaag aatcacagtg 120
cgtgcttcat ccctttattg aagaacagaa aattatgact actctacaag gtggataata 180
ttttggtagc tgtggctggc cacagccctg ttcctcaaag ctgaattgat agatttctct 240
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tgcagggagg gcaatagctt tgtaaattgg nttacatttt tctccttgaa tttttctagg 360
gtcctagtgc ttccgaatca tttaatggca ttgtcggata tccttttaca tttcaattgc 420
aatccatgaa attacattta gaagattctt agtacttaac ggtagtcttc ccatgaattt 480

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<210> 328
<211> 386
<212> DNA
<213> Homo sapiens

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<400> 328
cttaaaacca actttccatc cgagaagcct cctcagtagt tactctgctc atgagacaga 60
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agtggacgtt aattgtcagc caccagactg tcccggcacc tacagagaat gtttcacagt 180
tctggcattt aaatcctttg atagtggatt gtgctgctgt tagccttagt ttcagtgcct 240
tacaagtctc gcttattatc tcattgggat ttaggtatac aaaacagttg attattcacc 300
acgccaatat ctgggtctct gtatctcatg tagaacataa gaaaatggga actaataggg 360
aactttattt atagcatgaa aataaaa 386

```

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<210> 329
<211> 427
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> n=a,t,g or c

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<400> 329
gataaaagca gggttggcct cagcctgtgg tctgtctcat gctctccctg ttcctctccc 60
cgccacccca gggcctccaa gccacctctg gaaatacttg gctctgccc a tgcaengcgg 120
aggggcgcca cgtgcgagct gtggaattgg gccccgtggc agagcccat cccttggggg 180
tcgtngggga tgcgcccagg ccccccaggg agaggcctgg ggacaccaac aaatctaagc 240
cctccctagc tgcttggtaa ctgtgtcatg aagctgccgg acagacacac gtggcatctc 300
cctgggcagg agagcaggcc tgcagcatgg gtccctgttc cgtgtgccgt ggggtggcagt 360
ggctgcacct ggcactaggg ctgctctgtg gatgtgggtg acaacggcag gaggggatgc 420
tggectt 427

```

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<210> 330
<211> 327
<212> DNA
<213> Homo sapiens

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<400> 330
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gctcatccca ctgatgacac cagcacgtct tctgagagac catccccaag cacagacgtc 120
cagacagacc ccagaccct caagccatct ggttttctat aggatgaccc cttcttctat 180

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gatgaacaca	ccctccggaa	acgggggctg	ttggtcgcag	ctgtgctgtt	catcacaggc	240
atcatcatcc	tcaccagtgg	caagtgcagg	cagctgtccc	ggttatgccg	gaatcattgc	300
aggtgagtcc	atcagaaaaca	gggagct				327

<210> 331
 <211> 476
 <212> DNA
 <213> Homo sapiens

<400> 331	aggcgggtgg	gttcgtcttc	tctctcctcg	attggtgcgc	gctcatcttc	ctctcgggtct	60
	acttcataat	tacattgtct	gatttagaat	gtgattacat	taatgctaga	tcatgttgct	120
	caaaattaaa	caagtgggta	attccagaat	tgattggcca	taccattgtc	actgtattac	180
	tgctcatgtc	attgcactgg	ttcatcttcc	ttctcaactt	acctgttgcc	acttggaata	240
	tatatcgata	cattatgggtg	ccgagtggta	acatgggagt	gtttgatcca	acagaaatac	300
	acaatcgagg	gcagctgaag	tcacacatga	aagaagccat	gatcaagctt	ggtttccact	360
	tgctctgctt	cttcatgtat	ctttatagta	tgatcttagc	tttgataaat	gactgaagct	420
	ggagaagccg	tggttgaagt	cagcctacac	tacagtgcac	agttgaggag	ccagaa	476

<210> 332
 <211> 352
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 332	ctnnnttttt	tttttagact	gattctccct	ctgtcaccag	gctggagtgc	agtgggcaac	60
	agagtgagac	tccgtctcaa	aaaaaaaaaa	aaaaccaaac	ccgtatgttc	ttttaattta	120
	tactatgtat	acatttttct	tatattagct	tagtagttct	tagaaaagaa	aacctcatta	180
	atttgaatct	tcttatatgc	aatctngat	tattcagaca	gggtgaagct	gaaatttaca	240
	tttaaattat	aaatttttaa	atgtttgcag	tccaattgaa	tcctataagg	taagagtcta	300
	gaaaaaagtt	attaaaaaat	aaacatttta	agtgtcttaa	aacacacact	tg	352

<210> 333
 <211> 456
 <212> DNA
 <213> Homo sapiens

<400> 333	tagttataga	gctaattggc	ttttatttgt	gatttatgaa	ttaaagcagc	accactctac	60
	aagtacagtg	atagctcccc	ctgggcaata	caatacaaga	acagtgggtt	ttgtcaaatt	120
	ggaacaagga	aacagaacca	cagaaataaa	tacattgggt	aacatcagat	tagttcaggt	180
	tacttttttg	taaaagttaa	agtagagggg	acttctgtat	tatgctaact	caagtagact	240
	ggaatctcct	gtgttctttt	tttttttaaa	ttggttttta	ttttttttta	ttggatctat	300
	cttcttccct	aacatttcag	ttggagtatg	tagcatttag	caccactggc	tcaatgcgct	360
	cacctaggtg	agagtgtgac	caaatcttaa	agcattagtg	ctattatcag	ttaccaccat	420
	ttgggggctt	ttatcccttc	atgggttatg	atggtc			456

<210> 334
 <211> 429
 <212> DNA
 <213> Homo sapiens

<400> 334
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 gagccttggg aatgtaccgg cgctgcagga agaggctgtc cgccgagcct gggctgctcc 120
 agctacgcgg ggaggcggcc ccattgcaaa gtgcagtttc tccgcggagg tggcgggtggg 180
 tcagtggcag agggccatgg tttccatggt aaggaagcgg acgtgcatct tggctctcaat 240
 gtcgatcccc tgccagatct tcaggaagtc ctcgaagggt atccccctgt acacctgac 300
 aggetccatc ttgccccatg cacacgctgg ccgcctccat catggccccg tcggcgatgg 360
 agcgagcgga ctccttctcg atgtgagggg tccccgacag cagctcctcg accactttac 420
 atttcgagg 429

<210> 335
 <211> 552
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 335
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 agggccagcc ctccatagtgg gccagcnccc tagtggttaa aatagggtccc taacccccca 180
 ggggtgacccc cgtgggtggaa tttcaggaca tctgagttag tggggcctag tgtcaagtct 240
 gccccccaag tcagcctggc cccaggnct ctaaggaagg agggcacccc cctccccctgt 300
 gcaaattgctg cagttcctta gtcagtgtca gctgttttgt gtgagccagc gtgaggctcc 360
 ctttctgttc tggagccaga ggagnggcaa ccagacanct tgggaagggtc ccctgaaccc 420
 tgggcccagg ctncggagggt gattcacgcc ccnaaacccc ttgtggttgagg aggagcttgg 480
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 gggcnagccc gg 552

<210> 336
 <211> 325
 <212> DNA
 <213> Homo sapiens

<400> 336
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 gggagaggag agaccagac gcctcaggga ccaggcagat aatacaaata aatgaaacag 180
 gccaggtgag agagtacaag tcttgccaaa agaagaaacc cctacttagt ttcaattgat 240
 tgctctcttc tgaaaatgca gatcagaatt gccacacatt ctgaccgatc gagagaggcc 300
 agaaattcta attttactcg tgccg 325

<210> 337

<211> 401
<212> DNA
<213> Homo sapiens

<400> 337
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gagcatggga gaatcgcttc cattagttta ggacagagag attttgcttt ttacagagta 180
aatcagtgtc caaatagata ctccctcaaa tatgtccttt ctacattctg aacagcccaa 240
gtgcaataag atccttcccc ctttccaatc aagaaaatgc cacttttcta cttgctcttc 300
ctccccagac atgagtctaa ggacccaaag tgctcactcc tttactgctt gttaagtgtg 360
atgtggggag gctcagaact ggggctgacg ctactgagag c 401

<210> 338
<211> 154
<212> DNA
<213> Homo sapiens

<400> 338
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aggtagctgt tatctttgag atcatgtatt tgtc 154

<210> 339
<211> 401
<212> DNA
<213> Homo sapiens

<400> 339
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ccctgccagc ccagagtcct tagtcggata atgtatcaca gatacaacag tgcagcaacc 180
acgagagcgt tagtgcgaca gaggcctctg tcctccctct tctcaaagtc ccatgattct 240
gtcaaggtaa tattgccaat aatcattcac atttcacgtg gttttagaca cgcaggttat 300
tcagacagac acagacaaca aaacaagcct caaagccaga acaaaacaaa acaaaaccaa 360
atcgaacata ggtataaaag gtaaaatata tgtacaaagt a 401

<210> 340
<211> 376
<212> DNA
<213> Homo sapiens

<400> 340
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agaagtgaga tcaggcagtg ggtgtctgca cccacagcg catgttggct ggaacagcaa 180
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agctgagggg gagccgaggg ttccagagtc tctcctcctc cacggtggac actgtgaacc 300
catggtaatc gtgagcaggg tagatcagac agtctcctgg aagtgtgaag atcttttcat 360
ggaccgagtg gtaaag 376

<210> 341
<211> 382
<212> DNA
<213> Homo sapiens

<400> 341
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catgggcaat tcctctgccc tgcattctca ggccatgtca ggtagaggta tccatctcag 180
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<210> 342
<211> 316
<212> DNA
<213> Homo sapiens

<400> 342
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tgacctgggc acaggc 316

<210> 343
<211> 457
<212> DNA
<213> Homo sapiens

<400> 343
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agagagaagc agagggaatg ggttgactg gctgaggatg gtggaggagc cgtctcactc 360
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acacagcttg ccaactgtac ccagtcccc aacaagc 457

<210> 344
<211> 283
<212> DNA
<213> Homo sapiens

<400> 344
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gcgccgagag agcctgtggc agcggcacat ggcattgccag aggtaaaaaa acgacggcgg 120
cggaacagaa gctggcatct cccagccat cctatgcagc agacgccaac gacagcaagg 180

ccgagtactc agacgtcctg gccaaagctgg cttcctgaac cgccagagcc agtgcgctgg 240
acggtgctca ccgccccgct gctggacacc cagtgagccg gag 283

<210> 345
<211> 404
<212> DNA
<213> Homo sapiens

<400> 345
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gggggcagtg tgtggagggg gcgttcttaa ggggtatatgt acagaggaaa gggcgcatgg 180
tcatcttagc ttctgaaaga ggactgcact gtttaacatt gaagaattac atggggaatc 240
acaaatatat tgcttttagta ctgcatgttc tgttgtggtg agggaaagaa acatgctttg 300
aagggttttcc ctgtgcaaca gaatgtgtgt ctgtagctgt gtattgcgca tgtattcata 360
tatttttaag ttttctccta aggtttttgc tgacagtgtt ggga 404

<210> 346
<211> 317
<212> DNA
<213> Homo sapiens

<400> 346
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cgtctctctg ggctggggag taaaggggtgt ggggcaaggg gagtggggag aggctgaaac 180
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gcatgggtggg aacagcaggg agaaaatatg gtgatgacaa accccagatg atcaaggggc 300
tgatgctcct gggggccc 317

<210> 347
<211> 265
<212> DNA
<213> Homo sapiens

<400> 347
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tttcacaact aagccttttg ccaaaaaagt catttagcac atctttaag atcaataaga 180
aatggatttt ggacattaaa aagatcaagt cactgaatta aacagtagca accccatta 240
atctagaatc ccatagtgtc gaagg 265

<210> 348
<211> 405
<212> DNA
<213> Homo sapiens

<400> 348
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accccaaaat gtctattggt ctgtttccag gtgtggtaga agaataaaa aagatcaaaa 120
ttggataaat tctattgtaa caatttcgtt ggtcattttg ggccataaaa tttttttgta 180
atgtttggta actgatatcc acatggaatt aactcacac atcatgaaga tctatgtatg 240

tggaagggcag 300
 actaaaattt attaggtcca attcctcata agacacgggtg gctgactttc cttgtgtagt 360
 ttattatgaa gtaccatttc caaactaact atcctagcag cgtca 405

<210> 349
 <211> 380
 <212> DNA
 <213> Homo sapiens

<400> 349
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 ataattggctt gtccacataa accagtacat gttcatcctt tagcgcaaaa agccctaagt 180
 gcgcgtaccc tattaaaatt caggacatct ccaatattct ctctctctgt ttttctttgt 240
 catctttttt ttttttaaat aaacattttc aagggtttgtc caaaagaagg ccatataggt 300
 tcttggttag cggaagacaa ttcagaacag ctgttgacac cttggactgt caccttctcc 360
 aggctggcag ttgatatctt 380

<210> 350
 <211> 355
 <212> DNA
 <213> Homo sapiens

<400> 350
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 aagaatgtgg agtgtgtaga tacaataaag aattcatttt atgatctgcc acctgttact 120
 tgacagagga gtaagttagg gaaataaatg actcagttct tcatacatgc aaaggtaagt 180
 tagttattac aaaagttttt gctgttggtt gtgctgaaag aaaagcatat gcattttaa 240
 atttttttaa aaataaatca ctcaataggc ttaagaaaaa tacttttagt catagtccat 300
 tgatctgacg ttttgattta agatcagggg atgaatccag gatgaaaacc aaaga 355

<210> 351
 <211> 481
 <212> DNA
 <213> Homo sapiens

<400> 351
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 gttacgatag tctggagaga aggccttgct cccatttttg cttgtgtaat acctgggtag 180
 tttctcttga gtctgtcaag cagagaacaa gggtataaaa ggtccattta tacatacatg 240
 gtaacaagag ataacaaaca gttttgaagt atgctgtatt tataaattat aatgggtggcc 300
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 tgcaatacca agctgcaagt ttaacaattt ttttagcttg aagtgaacca actttatatt 420
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<210> 352
 <211> 366
 <212> DNA

<213> Homo sapiens

<400> 352
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acatttttgca ttctacatga aacattttggt ttaaacaataa tcttaagaat tctctatttt 180
gtttcccatc ttccctcctg ttctctccca tectccaaag atgttttata ttaactgcta 240
tgagatttat ttgccggtca cgtaatacgg aggacagcag ggaacaacac aagatttacc 300
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gcgtga 366

<210> 353

<211> 534

<212> DNA

<213> Homo sapiens

<400> 353
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tctgatatct ggaaccaaag ggcaaggaaa ggtcctgggg ctgaagtggg gacaaggggc 180
acaaaaagc cagtgggggc aggtggtgct ggccaaggct agaggcggat gcaacaggcc 240
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cattgttttc agcgaacatt cgggcctcct cagtgggcac ttcccgggc tggctgaggt 480
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<210> 354

<211> 318

<212> DNA

<213> Homo sapiens

<400> 354
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tacaaagcac cttctcaagg gtggggaagg tgtattgtca caaggccaat tgatcagtta 300
gggtggggca ggaacaaa 318

<210> 355

<211> 601

<212> DNA

<213> Homo sapiens

<400> 355
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tctcagactc	tctttccctc	atacctttcc	cttccccacc	tcacataaga	aaatgatgct	540
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<210> 356

<211> 4003

<212> DNA

<213> Homo sapiens

<400> 356	attaaacctc	tcgccgagcc	cctccgcaga	ctctgcgccg	gaaagtttca	tttgcgtgat	60
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<210> 357

<211> 4003

<212> DNA

<213> Homo sapiens

<400> 357

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<210> 358
 <211> 237
 <212> DNA
 <213> Homo sapiens

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tgtacccagt	actctaccta	ctacagacta	tttaacttac	ccaacaaaat	caaaagaggt	180
tgctgaccag	atttataggg	gacataactg	tttatattat	caaagtgttt	gcataac	237

<210> 359
 <211> 195
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400>	359					
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taatcaaaga	aatatgata	gttgaaactg	taataacata	catacattat	aaagactgca	180
cataagttaa	acaca					195

<210> 360
 <211> 358
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400>	360					
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tttcccaatt	tcagaatact	tacaacttgt	agttttaaga	ttagattcac	tttgggaggt	120
tttagaagca	aatacattca	tagctgtgta	atccccagga	agaatctaaa	tctgacatca	180
ggtcattcag	tccttgccag	acagacaaca	gcacaaatg	gtcaacagct	aatccagctc	240

tgcagctaaa	gggcagtgtc	gggcagcagt	ggggtatagc	atattaccaa	agatgagacc	300
agcaaaaaca	acaatgtgta	taaagcttta	anttaacatg	atcatataga	gcgctcag	358

<210> 361
 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 361						
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ttgaaatgaa	cagtacaaga	atacatga	taaataatcat	aacatttaag	tttcgtctca	120
cttaggcaac	aagaaatgct	gagtagtatt	attacatatt	caaaccagac	ttaaacttca	180
gaaacagaag	gccagatgag	tgacctgtat	cacaggatat	gacaacacat	cacctatctc	240
caaacaagaa	aaagcatgat	tattaagttt	atctacacca	gcttatttat	tcaaatttgc	300
tcttcttatt	a					311

<210> 362
 <211> 315
 <212> DNA
 <213> Homo sapiens

<400> 362						
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gaacggaaag	gtgcaaaacta	gcagagtcaa	tactggtaac	cagaaggcac	taatccaaac	120
acataaattt	caaaagctgg	ttatattatg	gaataccata	tatactggcc	tttgccagtt	180
tgggatttct	gcaatagcaa	taagcctcgt	ttctgtttcc	aattataaca	acaaaaagat	240
gagttactaa	tgaacattcc	acttacagaa	gtctaggcta	tgttgataaa	ttgaaaactt	300
atctagacta	ctctg					315

<210> 363
 <211> 267
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 363						
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acacctgnng	tacaaaggca	ccttgctagg	cgctagacag	ctaactctgc	tgagccact	180
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cacacaggag	tcgccctagt	atggtct				267

<210> 364
 <211> 247
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
<223> n=a,t,g or c

<400> 364
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ttcagaagca ggaaatttta gttgttgcca gagagggtgtg tcaaggacac agtgaaagga 120
gccatgcgga catgggggtgg aaggctttnt ccaacactgt tacaacactt ttgtaaatga 180
gcaaaacatc tttaaaaatc cttataaatt ctttataata tgttacacat ttagagacaa 240
tatttac 247

<210> 365
<211> 372
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 365
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atgagaaggc aggtgtccaa cagcttcagc ttcaccagt gcccccaga caaataatga 180
caagtccagg gtcttctgat gtgtcaggcc agcactcccc ttgctgatgg gaaaaccggg 240
gctgggccag cccactgca tcccctcaca tgatgatacg aggtctnngc actgactcgc 300
caatagactt gtggggcagc angctggctc cggttgaggta ggagctcatc attaactatt 360
gacgtcctnc ac 372

<210> 366
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 366
tttttttttc cttctgtagt cgtctttatt tagagcagaa ttcagactca gctggtatcc 60
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ctcccagccc ccaggctgnc ttttccctcc aactgtcagc tgcttagctg ctcatctggg 180
gattggagct ggagcatctg tcaaggttgt ctccttgaca aacagcttcc tctttggaaa 240
tggtcttact caggtcctgc aggtcatcga gcaggacaga gagggacccg gggaaggaag 300
acagcagatg agcaccagac aagggaagggt gctcgtgggt acagagggaa acagggttgg 360
gcacagggaa atgaggggaat ggggagagag ggaggctctt tgggtccaag ctggggcatc 420
ncttaaaaga ggtttaagggt tntcgaagga ccncagagaa caacattctt cntgcgagat 480
ttttaagagg gagttttctn a 501

<210> 367
<211> 231

<212> DNA
<213> Homo sapiens

<400> 367
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 acaaaataat caagtacatg gcattaagtt aaatgtctct gcacatgaat ttccacctta 120
 taaatctggg atattaaatt gtgctgtaaa tagatttgta tattttcttt tttgagtact 180
 atgatagggtg aaatgggtatg actataaaaa ggatttggtt ctttttgtct c 231

<210> 368
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 368
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 gtgatatttc catagcgtga ttttaaaata taataatgtt gatatctgag attacactca 120
 cttcagttga catgagtttc atcatatata gaaaaagtat caccttcaac ttaaaaaaag 180
 taaagggttaa aagggtggcac actttttaaaa tacttggtgg ccaaggaaag gtatatagta 240
 aaagttgtaa accatgtgta tgttctcata actttaaatg tgaggccaca tg 292

<210> 369
 <211> 375
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 369
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 gtggagactg aggccagag aggccagtga cctgcttgag gccacacagc aagtgagcag 180
 cagagctggg naccagaggc tgggggtgggc cccacctcca gcccctggct ctntccactg 240
 actgtgctgt cccccaggag gacccccagcc tntgtccaga gtntcagcca canccaagcc 300
 aggnntccac cccttgacgt ggggtgccgcc tgggaagccc cagaagacag gtttcccacc 360
 cccattcggg aagac 375

<210> 370
 <211> 438
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 370
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anctgattct	gtgaatat	ttt	cattttttat	gggtagggtc	acatacatat	atattttttt	180
ccttcctttt	gtcattttaac	atcctatagc	ctaaatgttc	ttgaataata	ctgacaattc		240
tgtctaagta	tcattttttaa	taggtttgta	atatcattgt	gggctggccg	tgggtggctc		300
atgcctgtaa	tcccagcact	ttgggnaggc	caaggtgggg	tgggntcatc	tgagggtcag		360
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ccacaaaaat	tnggccgg						438

<210> 371
 <211> 391
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 371	ncagaaacat	tttattgaca	acagttccca	acagagtctt	tgggggtcttt	aagtggcagg	60
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	ctgagcagcc	tgctgtgggg	aagaagccgg	gccggaagcc	tcagtctgtg	tgccagccca	240
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	ctcgtgaaga	cacaggaaca	gtgggtgggg	gtgagggctc	agggaattgg	ggcagagggg	360
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<210> 372
 <211> 404
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 372	taatcttttt	cttgctcaat	tcccttgact	atttcacaat	ggaaataaaa	aagaagttct	60
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	atatggaaaa	taatcttcat	aagttccctt	tctcccaa	agtatattgt	aaatattctt	180
	atacaattaa	agatgggtca	gaaaaagaat	tctacaagaa	gtaaccctaa	atgaacccta	240
	gtctacataa	caaaagatgt	acaatggtca	gagatggcct	gactgagggg	gtcgggtaat	300
	ttgggtaatg	ctgggttcaca	ggnaatgatg	gttctaaggg	gctgcagggc	tgggngagag	360
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<210> 373
 <211> 262
 <212> DNA
 <213> Homo sapiens

<400> 373	ttttaagcaa	tgaaatat	tatttgctga	aataggtata	acacttaa	aaaaattaaa	60
	caaagtgtta	atatctcctt	ccatgaaaca	gcagcagcaa	gagatagcaa	gtgttcggaa	120

gtctcttcaa tccatgttat tctgatgact ctttgaagaa agaacttgaa cctcctgcac 180
 agggggattt ccttcactca tagattcccc taacttcattc tcctcttttc cttgggctat 240
 tagtcagtca atatgcttgt ga 262

<210> 374
 <211> 478
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 374
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 gacagccgtg cccgcgtctc ctccgccacc ggggtcagtt gttcctccag ttccgatttg 120
 taggccttca actccttcat ggtctcgtcc atcagcgccc tcagtctcctg ggtgacctgg 180
 gagctcgagc agctcctcct gcacctgctc agacagtgtc tgcacccagc gcaggtaatc 240
 ccaaaagcga ccagtgcca gttcccagcg ctggccgctc tgccactcgg tctgctggcg 300
 cagtcgnggc tccggctctg tctccaccgc ttgctccacc ttggcctggc atcctgccag 360
 gaatgtgacc agcaacgcag cccacagaac cttcatcttc ctgcctgtga ttggccagtc 420
 ggctcctggg gaaggacgtc cttcaacctc gtgccgaatt cttggcctcg aaggcaaa 478

<210> 375
 <211> 429
 <212> DNA
 <213> Homo sapiens

<400> 375
 gctttcatat aaaaatgtac tgtagtaatc agtaagaaaa agaaacaaca ttggctaagt 60
 cacgaatagg catttcacca tatgtacatg ataaatggcc aatcaaaata aggaatgggg 120
 ctcatctctg tggaaattaa atacattcaa acaagaacag agatccatta gcaaaatgtt 180
 taaaaataat atcacaggtg taccaggggt atgacaaaaa tggacacttc catacacact 240
 aggtgaatat attggtgaaa atagttcaga taaacataca accatgtatg taaaagtatt 300
 tatcatcaat gcattatttg tagtagcaaa aacaacaagc agccttgtga aaccagttta 360
 atgtcctcag cagggaatta ataatattat tgtatattca tgaaattgac accatgtggc 420
 cacacaaat 429

<210> 376
 <211> 503
 <212> DNA
 <213> Homo sapiens

<400> 376
 aaagaattac cataagtgtt atttttgctt agttttatta aaaaaataaa tatgtcataa 60
 agctttcttt ttcttaggg agaaaaaag gaacaagtct cataaaccca aataagcaat 120
 ggtaagggtg cttaacttga aaaagattag gagtcaactg tttacaagtt ataattgaat 180
 gaaagaactg taacagccac agttggccat ttcattgcaa tggagcaaac aacaggatta 240
 actagggcaa aataaataag tgtgtggaag ccctgataag tgcttaataa acagactgat 300
 tcactgagac atcagtacag atacatcttg cttaaacac acagaagttc ctgaaaagtt 360

ttgtgtaaat	gatataacca	caaacattac	caggagagct	tgggtaactg	aaagaattcc	420
atggcgatt	cctttgtga	acaactactt	tcacttttgg	taaatccagg	tatttgcttt	480
ttataaggag	ttacctagt	tgc				503

<210> 377
 <211> 467
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 377						
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accgtgatta	agaattttct	ttcaagttta	acctttacat	taaaaacagt	agctacaata	120
aggatatttc	aaccttactt	agagaagtga	taaancatca	agtcaacaag	tatttttgtt	180
ggagaatttt	tttataagcg	ggatagaggg	aagttaacat	agacactcag	agaataaaaa	240
tggaaattat	gccaggaaga	taaaaaagca	aataaccctc	cccccaaaaa	agaataaagg	300
agcgagacaa	agggcaaaac	ggaagaagca	aggctcaaca	actttgtttt	cctgatataa	360
aattcaagta	cttaaaaaagt	tttttaaaaa	ataattaaat	gcactactca	tctcaatgaa	420
atttttcggt	ttccnatttt	ccagaacttt	ctaaaaaagg	aaaccag		467

<210> 378
 <211> 482
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 378						
caatgtgaaa	ataaacattt	attataaaaa	ttagttttga	catttttaaag	tgaatgcaga	60
caaggtgttt	tccagttcaa	aaggtccatt	gtaagctaga	gaagtaaatt	ccaaggctgg	120
caataactga	ctcatattct	tcacaagtgg	cctagacaat	aaggaaccat	tcacctcaaa	180
ttcacagagc	catgaatcac	ctctgcttcc	ccatgacctt	ttccatatcc	ttcctactct	240
gtcttccaac	catgacacag	aactgaaaca	tactttaaaa	atctcatcct	tggctaggca	300
cggtggctca	catctggtaa	tcccatcact	ttgggagggc	caaggcaggc	ggatcaagaa	360
ggtcaggaag	tttgagacca	gcccgaacca	catggtggaa	ccctggtctc	cactaaaanc	420
ccaaaaatta	ggccaggcat	ggtggcacgc	acccgcaatc	ccagctactc	aggngactgn	480
gg						482

<210> 379
 <211> 252
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<223> n=a,t,g or c

<400> 379
tttttttgat gctgaaagaa gactttaatg tgcacaaaga aacctcacat tagtgacagg 60
gagacanagg aaggagggtg gggaggactg aggccaggg aaaccagagc tatggagaca 120
gaggccttag ggaagaggag atggctggga ggaccngctg aggggtgggc gaggcagaga 180
ggcccatccc ttgctgagag gagaggggtg cggggcgggtg gcagaggcag gctcttgag 240
agaggagagg gg 252

<210> 380

<211> 296

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 380
cngcagttgg ggggtgggtg ttctggttta atcatattca gagtttgagc ttgaaataac 60
caactcaaga cccacaggag actatgtcac cagataaacc cagtgtctaga atccaatgtc 120
cagcatcttc aaccactcag gagtggttgc tgagagacca ggtggtgctt acccacccaa 180
caagcacttt ccatctttgg gtttgcccaa gatgtttacc ataaatgaaa ggggtgggga 240
aaggattata gttgacacca acataaatta aatatccaat tccagcatat gtgaca 296

<210> 381

<211> 165

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 381
ctctttgagt aactttatct tggaggagtt ccataagcat taggaacata cataaaatga 60
cacaccactg ttgacaatga aaaaaaaaaac agcatttgat attttccagc tttttaagtt 120
aaaaaatgat tcagttaaaa caaaacaaaa gtttagatat ttttag 165

<210> 382

<211> 319

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 382
ctccactcca ttgttttatt atgtacaaac gctacagaac gnnnggggaca gacacgcgtg 60
gggtaagaag ggcttggtgg gaggagttca cagagcagac ggtgcactgg gaccagnaga 120

gcagaacaca ggccataact atagggcagg tngggcagga acgggggttaa aaacgagatc 180
 caagccagcc agatcgcagg aggtgcgggg gcgtcgtccc cttctnttct ccccccaagg 240
 tcacagtgc tgcaataaaa tatatatata ggagctagat ccgtcctctg caagggctct 300
 gaaggggtcca aaactccct 319

<210> 383
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 383
 cttcattaac cttttattac aagtcacgct cttatagaag tatatgtgga cttacgtgaa 60
 aaaatcaa at gtatccaaga ataaaaaaca cagcacataa agtagtatat gcattccagt 120
 gttcgcgcca gagacggcgg gcgcccgaagt aaaagctctt ctaaaacggc ctgactgggg 180
 caggcgggtg cgaacgggtc cgggcctcag gcacagtgtg ggggccgctt gcctcctccg 240
 cggccccggcg 250

<210> 384
 <211> 170
 <212> DNA
 <213> Homo sapiens

<400> 384
 ttttggtaca aaaggtgtct ttattgaggt ctgggttaaa attaggcact tggccacgag 60
 cagcagctta aatatgaggc aagcagtcag gggttagcca tgcctggggg gggttggggg 120
 catgaggcta caggcacaga ctgtccccag gtggacagaa gtttggagca 170

<210> 385
 <211> 281
 <212> DNA
 <213> Homo sapiens

<400> 385
 tttttttcct caaaagtttt tattcttttt catcttttta aactggcaca ctgcctggta 60
 tacaccgcca gtaggcattc agaaaagttt ctttttttta aatacacaat ttataatact 120
 gggaagattt catttcagtg tttcccaaaa cattattcct ggaaaggggt tactctccca 180
 tgactctgga taatagaagt tttgttctga ttttttaagt cacctcagac agacactgga 240
 acacgttaga tctaacactt aagtgccttg aaagggcagt a 281

<210> 386
 <211> 139
 <212> DNA
 <213> Homo sapiens

<400> 386
 aatgcagcca aaagtgatat ttgcttttct cagaaccata atcgatacaa gatgcagtga 60
 ccaattcatt ccttaaaaca cctgggctcc ttaagcggct agaagacaca agttacatcc 120
 agcccatcag ggagccaga 139

<210> 387
 <211> 285
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 387
tccagccccc cgcgatgcatg cggcagacat ttatttgcac ttgtcacata gtagcctgtg 60
aggtagccca ggatgaagat gatccagaag agggccacgc gcccagcacc ttcattggcga 120
tgcccagctt gcccgatgac agcctctggg agatcctgcg gcanntgagg cctcttctgt 180
gctggacaca gcccttaggc tgaactccgt cctgctgcc gtcctccac ctactatagt 240
gggacgtggc tctcctggg gctgcatgct ntgggggctn cagcg 285

<210> 388

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 388
ttgggggtcgg agtgggtttta ttgggcagca ggggctcang gccggtgggg cgtcaccgat 60
acaagtagtc agcctggatn ttggcgcgga tctcggcctc ccacttgatc ccgttnttga 120
gcaacttctc cttgtgttac agcagctcct catgggtctc cgtggagaac tcaaagttgg 180
ggccctcgac gatggcatcc acgggacagg cctcctgggg agaagccgca gtagatgcac 240
ttgggtcatg tcgatgtcat agcgggtggt ccnggcggct gccatcagct ctttggctca 300
gccttcgatg ggtgatggcc tggggcnggg caaatggcct tcgcagaatt ttccaggcaa 360
ttcaacgttt ccttcccc 378

<210> 389

<211> 267

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 389
ttcanctcct tttattgaca gaaatagaaa tttgtgctgc agaggcagta gtacctcaga 60
gcatgagaag gtagtcaatg gggctgacat gacaagccac aatgctggcc aggggtccta 120
ccatagtggg agaaccaaaa ccacaaaaat agcaggaggt agcaaacatc cccaacaccc 180
agtgtgaagca tttccatttg cagagagctt ggccatgcat ctttaaaaac ggggtccct 240
tcacagctgg gcagggtatc atgtcag 267

<210> 390

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 390
aaattatata ttacatgttt attaagagca caactttttat gtaaaattta catttaatga 60
aaaaaatcaa aaatatattac aaaatcttgg aagacagatg tgcattgttc taattacaat 120
ccaaagtagt aaataacaat cctttaaaac tcacatttat tagagttgtg tttacaaatt 180
cttggttaaa gaggcagcta caaagtttat cactatatat aagcaagaac cagcttgcta 240
gggtacattt cccattgaaa atctactggg tctcttttac accattaggg ggatttttaa 300
atggggnaaa aaaaatcaat ataaactcat atgggcttca aaattggtaa cctgtacccc 360
natacttggg gnatggaggg ctgtgg 386

<210> 391

<211> 220

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 391
atacaatang ntttattgag gatgtgtcaa tacagttaac atggttgctt gtcttttcaa 60
aaagaagttc cattttcttt gattcccaag tgcatttttc ctgaatcttc tgtgatacag 120
ggcacatgat aggtatgtag agagctaagc ttcctatacc aagttagaag tgaaatgact 180
agtgggaaaa catttaaact ttaatcttaa aaaaaaata 220

<210> 392

<211> 357

<212> DNA

<213> Homo sapiens

<400> 392
tttttttttt ttacaaattc ttttttatta gtcaaaatca caatcacctt gattaaaaag 60
gatgggacac tccaccctca gcagaaaatg atacagttta tagaaaacct ccccgccctt 120
cccacacccc aattaaaaac tacaaaaaaa tctccctcc ttccctacga tgtcatggta 180
gtctgactcc tccagtggca ctgcagctct ggagtggcca gtcaccaca gcacctcca 240
cttcaccttg gggagaggag ggatgctggg ggttaaggag gttaaaacca ttagttccag 300
taatgccagt tcccaaakat gcacttcctt cctttccccc aaggctctggg accaagg 357

<210> 393

<211> 332

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 393
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 ttttgaaatt tgcttataaa attttgtcac agggagcaac aatgttaacc taattattat 120
 tcacttattt tcatttttta aaataaatga ctataaataa ctgtctcttc agttaggatc 180
 agggatatca taaaaacatc actagcgaga catatttttag tattaatact gatgcaaaaa 240
 ntgaaatagn gaccnaatat ttatatatat agcactatat atattttttat atattgnata 300
 ctcatatcaa aacttgccat ttctcttaag ta 332

<210> 394
 <211> 436
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 394
 tttttttttt tttttttttt tttttgttac cagaggaagc agcttttatt gatgggttat 60
 ctccagaaac cagaaagact atatgtactc actttcagtt acccccgtag ctccagantc 120
 gcatgttgct ccacctgggg gcggatataa attacctcta gattgtccaa agcccagtct 180
 ttcccttccc tgtgcagcct tagtaacta agtagcagta ctgtttggtg tgtgtttggt 240
 tcttccccag caatgcctac tgcagctact tagtaacaac tagaggtgga gggtttcggg 300
 ggaagcagtt aggatgagtt aagtgtgatg cacagggaaa atagtatcgt aggccatca 360
 aagggncct ctgccctgcc tcagtgggct tgatttcttc attgggttgc atttgctctt 420
 tgtgttgagg tgacgc 436

<210> 395
 <211> 364
 <212> DNA
 <213> Homo sapiens

<400> 395
 tttttttttg ctgttatgat tagatattta ttgagcacca ggagagagtc agaacattag 60
 acttatagtg gaggagcaga actgaacctt ggcctgtgaa ataacaattt caattaaaag 120
 ctgtctggcc ctgaagaaag agaaatgac ctggatatag ctggtcctct gagctggcag 180
 agctgagcct ccctcgggtc ttctggtggg caagatgcca aagttgaata gtgtctgtag 240
 ggcattgatga ccaagtccta gtgctatggg catcttcct ctggtattta ggagaggagt 300
 accagaagcc cccggcagag gatactagga agggccaga gccaaatcca gcagctgggc 360
 ttac 364

<210> 396
 <211> 416
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c


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<400> 396
ancntttann nnttccaagt cattagcttt atttttactg aattcagcat gggatgacaa 60
aaatgcatta tatcactacc atccattatt acatgtagac atttatcctt gtattcttta 120
tatgtccatt ttctacgtta aatctgttaa ccaatactaa ttnaaattac atgatttcct 180
actaaaaata tgcagttcat ataagcaagg gcaaataaat cctccttaaa acattttatt 240
cctttataat tgaggaactt aacagtcctta atgggctagg ttcttaaaaa atgtttatag 300
ggnttaaggt ttattttaagg ggaggccggn caaacaaaac atattgtaaa actaggtatt 360
ttcccggagg ccatttcctt tctcttcctt tcttcccggc aaacnggggg ttttta 416

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<210> 397
<211> 320
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> n=a,t,g or c

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<400> 397
agttntgggg tcttgtcang ttgcccaggc tgatctcaaa ttcttgggct caagcaatcc 60
tcctgccttg gcttcccaaa gtgttcagat tacaagtgtg agccactgac ccagaccaag 120
aaattttaac cctaactaaa tacccaaaaa aagtgtatat atgttccaca aaggacatgg 180
gtaagaatgt ttatagcagc agtatttgta atagccagaa actggaaaca agccaaacat 240
ctatctacag cagaagagac tattgtttat ttatacaata aactacaata tagcaataaa 300
atgaatgagc tacaacaaca 320

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<210> 398
<211> 284
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> n=a,t,g or c

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<400> 398
tggaaaaaan nacaacttta ttttcagtca tttctatttc cttgggttatg aacaaaggta 60
gcaaagtgca gttgtatcag cagtgccaat agaaattaca gagtttttca tatcccttta 120
cagtttgcca caggtatcct aaaatattgt ttacactcat ctctcttcag tttaccattg 180
tttaataggc ctaccctcga tcttttttatt caatatgtta ataaagaaac ctatacacat 240
agtatcacgt tatacatttt aaaantnttt tgacaactgt atat 284

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<210> 399
<211> 316
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> n=a,t,g or c

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<400> 399
agacagcttt tgagtttatt tggcttctgg cttcactgga ncccgaggct aagactccaa 60
ccctggctgg ggcagcagga aggcattccag agagccctgg ccccgatga ccccagggc 120
aggaggtcca tgctctaagc cctagggcag gggccgcagt agcaggantt ggtcaaaagt 180
gctggtgaca gctgaggccg gccccttttc cctgcacctc cctcctccc tgnatcacc 240
cagcaggcaa ttccttgaga caggntctgg gtccctccaa ccagttgggg tacagttttg 300
gggccccant agggca 316

<210> 400
<211> 316
<212> DNA
<213> Homo sapiens

<400> 400
ctggttttaa atatttattg attaaaaaa attaaaaatt ttttatacaa aggtgatgag 60
aaaaaatctc atgcaaatc cgggcataca ataaaaataa ctcaaatatt aatatgatga 120
ttttgtacaa aataattctt ttgaagtagg accggtggca accaacacgg ctccctgctc 180
caggccggga cgccctctg ggaggaacgc gcgccaccc ttggaaacct gtaagtgatc 240
cacggtccag gtgtggaatg ctcacagttg tctactatgat gaatgatgaa aaccctattg 300
ctgctactca gaaacg 316

<210> 401
<211> 349
<212> DNA
<213> Homo sapiens

<400> 401
tttcaggtaa caaagtccag tctgttttat ttttaacca aatattccaa atatacagaa 60
aattaccagt acaaagtaa acacattcag atttatttac acaatgctaa agaaatttga 120
gttttatttc cattttgtgg aattttatca tggggtctgg ctttaattgtg taactgacgt 180
gggtcactga aactcgatta tcccacctca catgcaattt tctgtcctaa gggaatagaa 240
aacttgggtt tttagggcac atgcagtaat gatcttaata ctgctttaca ctttcgtggg 300
aaggcagctg tcccacagcc tggggaagga ccacatgctc agaaagggg 349

<210> 402
<211> 413
<212> DNA
<213> Homo sapiens

<400> 402
ttttttttt cactgaatgc ataaagtcct ttattgaaaa tattgggata gcactgcatt 60
acatatagtc aatatccata aatgaagggt cacacatttc tgaatggaca atactgtttt 120
acatagagaa cacagcatct ggatatgctc tcacaattat agtatcatgg actaaactag 180
gtcagagtga agtatatgca aaatgaccat ttgggttttt tccattttat taatagcata 240
tggttgacga tgggtgaaat ggtaaacgtg atatcatgag acattcctga tatctcacac 300
caacacatta tttaacgagc aggttaagggt gaaactgccca gtatgctgtt agtcaagagt 360
cctcagtagg agaacttgag tgaaacgtac acccaggcta cagattttaa att 413

<210> 403
<211> 335

<212> DNA
<213> Homo sapiens

<400> 403
 tttttttttt ttcagcatta caaaaacttt ttttttgctt ttttaggaagt agcgaggaag 60
 gaaagcaaag cagcaggatc ccctagagag tttagtcttt ggtttctaag tttaaagggg 120
 ggattggctt cagagcttgg agcaagacag aagattcgac ggacggatga gctggcaagg 180
 gagaagggag tctctggggc atgagcaagg gagccgattt cttgtctggg ttcataaagc 240
 tagagagggc tgcggcagag gctttgaggc ctgggtatag cactggcact taggtgggat 300
 accagcactt ctccagcatg ggcaggtagg cattc 335

<210> 404
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 404
 aaagctacaa acctcaaggt tgttttatatt aaaccaaata atctgagcaa gacatatata 60
 cattaaaaac aaatgaacac attaaaattt cactatttta caatctaaat tctagcaaca 120
 tatacaaata ctgagtact acagtacatg ccgaggttaag ataagtacat tctgggagaa 180
 tatcactgac gctcaaacca tttttatttc caatatgtat ttcaatacat gtttgtttcc 240
 acttttccca gtgccacaca cacacacaca caaaa 275

<210> 405
 <211> 398
 <212> DNA
 <213> Homo sapiens

<400> 405
 caaagttttac aataatttat tattgttgca tgacatttgc cagtaaaata aattatagaa 60
 actatagagt ctttataaac tattttgtat atcatattca cttcctaag cttactgcag 120
 taactgtatg aaattttaatt agattacgtt ttagcattag tcagaagatt taaaaaatat 180
 gtaaaatgtt ttcacagtac tttggattta taaaagaccc cattatttta acttttgtgc 240
 aacctgtttg aaatgtataa aaaacctttt acaaaccaa aggtggcgta aggttttact 300
 gagttgctga agacatctta ctttcttgaa tttctactta aacatccatg tgggtgcactt 360
 tttcaggcag tgtaataagt ggcaaataaa taatcaat 398

<210> 406
 <211> 459
 <212> DNA
 <213> Homo sapiens

<400> 406
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 ttcagagtta gagtaacata ataccttgga aactatagca aacagcttga caaagcaaga 120
 gtacattaat tcctacatat atacttttat ttttagtgac cacatttctt tgtttcagggt 180
 gtaaaattaa aaaatatatt gtacacttag catacttggc ctaccaaatc ccgtctaagt 240
 totgagcaca ctctctctc aaaagtatca tattcaacag catttttaa ttagagagag 300
 agtttgatga tacaggtttt aaaacaaata agcatgtatt gaaccaagtg atttaagaca 360
 aaatatttca attgtttaca gcttgggtat gagaggaag atgcaaattt aaggtacatt 420
 tttcctctag ctacgatggt atgttttact tacctggat 459

<210> 407
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 407
 tttttttttt ttttcattca acaagtgttt attgagcatc tactacatgc cagacactat 60
 tctagaaacc tgggaaagga ggggttaggg tagcttgagg ctgtcccagc tgtagctctg 120
 tctcccagaa gtgaggtctg caggggaaca gggctctggg gtccctctgc ctgggagagg 180
 gaaggctgag tgtataaaaa ggtggaagcc tctagaaatg agaaggctgg gtgtgtggga 240
 ctcatgctgg tgccttccca gacgaaggag agggcccaga ggaggcagct tcctggagca 300
 gagacggcag caggagcgcc cgtgcccggc atcacctcct cttcagcacg gatatgcagg 360
 acttcttgag gggcccgatc t 381

<210> 408
 <211> 598
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 408
 cacagcaaac ggangnangg cctgtatttc acacctgctc actcactcca tggcttagaa 60
 aagaacacgt ccaccgcgga ggccgcaatg cccacctaga gcaggctcga gaagtagtcc 120
 aggccctggc cagctcccag atagagaccc caacgcccag ctcccgggcc agctccagcc 180
 gcacctgcag ggacttcagg gttgggtaga agacgacgtg cctcccactg cggctcttct 240
 tgtactcgaa gaagtgtctt gagacctggc tgtcccacac catccggggc ctgtgggtcct 300
 tcagtgtctg gatgtacctg gccccgacaa caggctcacg ggcatccttg gaggtcgcgt 360
 agtccatacc ataagaagtt tgagccccag gaggattttg cttcgccact ttggacttcg 420
 ggtccaggac ctggacgcag gctcgaaacc aggacagggg tgcattaggg ccaggctgat 480
 gcgctgtaga gtaatcgtag gtcatgaagc tgaaaccatc cagnaggggg gcagttntca 540
 aatcctttgt ggtgaaaatg ccanttggtc ggtcccgggg tgattgnagc ggaatnac 598

<210> 409
 <211> 359
 <212> DNA
 <213> Homo sapiens

<400> 409
 tttttttttt ttttttaaaa atcagatggg gactttattg tgatggtggc aggtccacca 60
 gcagatgcaa atgtggggtg ctgagagtgg caacacaggc caccctaaac caacttcact 120
 cctcccctg tcctcagcca gtacagaagc caaatgtagc cccagcccta gactccagcc 180
 caggcagagt ccaagggagg ggtgtcaggg tcagaagtca caggagagcc agtgactatc 240
 aagggtggctg agagcaaggc tagggtaggg atggggcaga gaaagggcag ggggtgcagc 300
 ccagggtggc caaagcaaca cagaggagca agggctggca ttcaagtcag caggtcctt 359

<210> 410
 <211> 241

<212> DNA
 <213> Homo sapiens

<400> 410
 ttttttagat tcatcttttt aatgacatcc taaaattcag aggagggggcc agcgggacct 60
 ctgggctcag cggctgtgaa ggagggaccc gcaacacccg ctaaggcagg taattgcaag 120
 aaggcactcg cgaggggggac ttcaagcccc tcttctatct cttcatataa aatcaggggg 180
 atggggaaaag ctccaagggc gaggggaagca gagagtctct ctcccagcct atggaataag 240
 g 241

<210> 411
 <211> 333
 <212> DNA
 <213> Homo sapiens

<400> 411
 ttaataaagc agaaatgtat ttattaggca ccttggttcc tcacagagga gcaagatcca 60
 ggcctgagcg cctgggaagt ctcttgaggt tgcaggaatc tccagagaaa cataggcgct 120
 gccagccac caccgcgaga acactatttg ggctggagtg tgaccgccga ggtgatcctg 180
 gcaggaggct ggggttggct cctcgactcc acaaactg aggagtgggt ggggacacca 240
 ttgacacca cccaaact ggcagagagg gaaggccctt ccagattctg gggcacatgt 300
 tgctgggcct gccaggggga aggaggagcc tgg 333

<210> 412
 <211> 335
 <212> DNA
 <213> Homo sapiens

<400> 412
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<210> 413
 <211> 329
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n=a,t,g or c

<400> 413
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 acaactcaca gatgtcctag cttctgctgg cccagctgcc ancaactgnca tcaccctttt 240
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329

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 <211> 439
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 <223> n=a,t,g or c

<400> 414
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 aaccagagga aggggtgtgt ctgaaaagtc aaagtaacaa taacagtggc cattgtacag 180
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<213> Homo sapiens

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<210> 418

<211> 456

<212> DNA

<213> Homo sapiens

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<210> 419

<211> 206

<212> DNA

<213> Homo sapiens

<400> 419
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<210> 420

<211> 668

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

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<210> 421
 <211> 242
 <212> DNA
 <213> Homo sapiens

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 <223> n=a,t,g or c

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 <223> n=a,t,g or c

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<210> 423
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<220>

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<211> 292
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<220>
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<211> 346
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<211> 469
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<210> 427
 <211> 4003
 <212> DNA
 <213> Homo sapiens

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<212> DNA
<213> Homo sapiens
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 <212> DNA
 <213> Homo sapiens

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tctatatata	tatatatata	tagctttgca	caatcaggga	gcaaggcacc	ataatgaaat	300
gagcatacat	ttatgcagaa	gaaaataata	gcaacaaagc	tgcgagaaaa	attgtaactt	360
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<210> 431
 <211> 399
 <212> DNA
 <213> Homo sapiens

<400> 431
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tgcacaacat agcaaata ctaaaagcca ctgaatagaa catttcaaaa gcatgaattt 120
tatctcaata tttagaagga aaaataaata ttcttagaag aaacaatatt accatcataa 180
atggaaaacc ggtaataata aaatacatac ataaatatta agattttacaa tgtctattag 240
caagtcaccc taactcatct tacagaccac cagtaggaca attaccctt tgggtgacat 300
gaaaaaggct gccagggggc ttatgtccag tgcccagggt ccagcatggc aacatatttt 360
gtaaaaagtt ccagcaggct gtggacagca ggaataggc 399

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<211> 429
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 432
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gtgggagcgt ataactgtgt aagtaaatgg tttcattgta aataaaaagaa ccttagaggc 180
ggacttgtgc tgtggagagt acaatggcct ggagcagnga gacagatgct agaccaggc 240
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aacaacaggg caggatcaga gggaaggatc tgtctgaggt cccaggagct cacccttcag 360
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<210> 433
<211> 193
<212> DNA
<213> Homo sapiens

<400> 433
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aaaatgattt gctattgaca agtctcaaat ctgtcatggg aactcaaaca agttaccagt 120
ctgttcaccg ttcatgttat tctataaaat atttgataac agtcacccac tacagacatt 180
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<211> 278
<212> DNA
<213> Homo sapiens

<400> 434
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ttcacagaaa ttagggccat ttccatagtt atggggaagg acgtgtgagc aggatgggag 120
gtgctcagct gactgtcctc tccagaaggc tcttctgagc tgagcaggag accccagggc 180
cacagccgag ccccaacctc gacacggctc gagctccaac cttggctggc tatacttcaa 240
gggcgggtag ggccggcatg gggctggagg gagtccagc 278

<210> 435
 <211> 330
 <212> DNA
 <213> Homo sapiens

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 taacatctga tgtcaccaca ttaaaatgcc ttcttgctta atatcagaga aaaaaatata 240
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 aaaaaatatt ttttaataaa gaaaacatat 330

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 <212> DNA
 <213> Homo sapiens

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<210> 437
 <211> 358
 <212> DNA
 <213> Homo sapiens

<400> 437
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 atgggaaact gtcttaatat ttctattata ccgtgcagat ttctagaaaa atcaacaagc 180
 aatagtcctg tctgaagcac agaattttaa ataaagttaa cctccattac agacaagaaa 240
 acaaaaaatt atcggcctta taaatttttag tatgagtact taaattaggt acttcacaga 300
 tttatttttca ttaattaatg aacgaaagta actggtattt ataagaaata taacattg 358

<210> 438
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 438
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 agcccaggcc agaagggttg gcttcttgtc tctgggaacc catcataccc ttcccgcaca 180
 agaattctaa ataaggcagg aaaaaaaaaa attgtgagtc cagtggggag ctgggggtgc 240

tggtcattc

249

<210> 439
<211> 322
<212> DNA
<213> Homo sapiens

<400> 439
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gaatctgtcg agagcacagt ctcccagtcataaagaaggaggagagg gggatgagct 180
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cgccgggacc acagaccctt at 322

<210> 440
<211> 297
<212> DNA
<213> Homo sapiens

<400> 440
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caaccaccag gcagccaggc catcagccca cctccacctc tggaggggtcc ccagagaccc 180
acgcccgcag cagaccggga ggagcatcag caagggggccc gggcagagaa tcggctatgt 240
cttcattatg agagcaggag agacggcaga gatatgttgc taggtgaata tatattt 297

<210> 441
<211> 478
<212> DNA
<213> Homo sapiens

<400> 441
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agagcggaaa cccaaaatta ccagaaaaga gattctactt tgctgagggg tggggatggg 240
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aagaactcac tctacttctc aggacaagct tttgctttta ctgagtgggt tattataaaa 360
tatgaagtga catttattaa ttgtaaggga aatatgattt acgggacaga actcatcaaa 420
taaacagagt tgagatagga gtgtactggt aagaaaggaa gtaaagagaa gaaagatg 478

<210> 442
<211> 302
<212> DNA
<213> Homo sapiens

<400> 442
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cacatctgtg ggactgctgc aattttgaaa gaaaaatgac agctgtgtaa aaccagtga 180
taggaaaaaa gaagtgtcaa caatttggct gccaggcaca ccgcgcccct gcagcaatct 240

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ca 302

<210> 443
<211> 172
<212> DNA
<213> Homo sapiens

<400> 443
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tacagaaaat gtggaaaaga tggcttttaa accagaaca ttataggaaa aa 172

<210> 444
<211> 267
<212> DNA
<213> Homo sapiens

<400> 444
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cagtagtggtg ggaaagtccc ttcttggt 267

<210> 445
<211> 418
<212> DNA
<213> Homo sapiens

<400> 445
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tctttatggg tatacatcat ataaaaataa atcattttca tactttttta aatgttggca 180
ctgtaagtca caagaatgag ctactcagtc agtctcccta tttcaggaag cttttgcatg 240
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<210> 446
<211> 586
<212> DNA
<213> Homo sapiens

<400> 446
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tggttccact tcctttattt ggggttgttt catgaaaatg cttggttgct ctggaaacag 300
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 cgaacgttaa agactgtcaa tatccaaaaa ggtccagtcc ccttga 586

<210> 447
 <211> 362
 <212> DNA
 <213> Homo sapiens

<400> 447
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 ttaacatacg aagtaccatt cagttcagct gcaggtatag gcagtgacaa gtatctaatt 120
 cttagaagaa tcacttactc ccacaatctg tccagacaca ttagtctaag gacaagtta 180
 taaatagcaa acgtgatttt cacattgcag tgttctcaag aatgtatata caagtgtgta 240
 gtctctgttga tgggatgttt ccccgagttc tttctattga tgcgttcattg ctcttgacct 300
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<210> 448
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 448
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 ctggaagggc gtggagtcct ctccagttct cctagtttac agatgttggtg acctaggctt 180
 acaatgggac tggggctctga aagcgggacg tgggctgcgg ggggtcaaaga gccgggtttg 240
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<210> 449
 <211> 454
 <212> DNA
 <213> Homo sapiens

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<210> 450
 <211> 305
 <212> DNA
 <213> Homo sapiens

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<210> 455

<211> 174

<212> DNA

<213> Homo sapiens

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 actcttccag gagcagtagc ccttctaaga aaggggtggg aagaaaacca gcctaccctt 120
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<210> 456

<211> 418

<212> DNA

<213> Homo sapiens

<400> 456
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<210> 457

<211> 326

<212> DNA

<213> Homo sapiens

<400> 457
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 ggtggtagt gggagagagg gtcagggggg cttggcaggg atgcaggcac catgactttt 180
 gtgaccagtt cctagagacg catgggtgta gcctcaggag gaaagcgaga ggagctttac 240
 catgggaacg aaggaaaggg acaacattgg gaggcaaacg ttgggagact agtccagaaa 300
 cttgcagttg aggatacaac aggggtc 326

<210> 458

<211> 388

<212> DNA

<213> Homo sapiens

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ccttaaaact	tttccatata	aaaataaaaa	gtccaagacc	agattatattt	tcttctggtc	180
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<210> 459
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 <212> DNA
 <213> Homo sapiens

<400> 459						
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tggagaaagt	taaagtgtaa	ataattacaa	agactgacat	gcaactctta	ccttacatta	300
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 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 460						
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aantggaaac	agcacacaha	tacacttgag	gtataagyya	gagcacagta	tgcatggtt	120
caataaatat	aattcaaaat	ttgtaaacta	ggtgaccaga	tacatgagtc	ttatttttrg	180
taaaaccata	taaaatattt	atytca				206

<210> 461
 <211> 280
 <212> DNA
 <213> Homo sapiens

<400> 461						
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acaatattgc	attactgatt	tattcactac	cttagcagca	tgtagtatac	agacattctg	120
ctcttctctt	tcctctctaa	cacacacaca	cacacacaca	cacacacaca	cacatatccc	180
tgtacagact	cacgcaggca	tgaggggtag	ggatgaaact	ataagctaga	ggcttacttg	240
ctgcatattc	cgttgctgcc	agtctattct	aacgtgtaat			280

<210> 462
 <211> 266
 <212> DNA

姓名	性别	年龄	职业	住址	电话	备注
王德胜	男	45	工人	XX路XX号	XXXX	
李小红	女	32	教师	XX街XX号	XXXX	
张小明	男	28	学生	XX村XX组	XXXX	
赵大刚	男	55	干部	XX路XX号	XXXX	
刘小芳	女	40	医生	XX街XX号	XXXX	
陈伟强	男	38	工程师	XX路XX号	XXXX	
周丽娟	女	25	护士	XX街XX号	XXXX	
吴国强	男	60	农民	XX村XX组	XXXX	
孙小华	女	35	会计	XX路XX号	XXXX	
郑大刚	男	42	工人	XX街XX号	XXXX	
冯小芳	女	28	学生	XX村XX组	XXXX	
陈伟强	男	50	干部	XX路XX号	XXXX	
周丽娟	女	38	教师	XX街XX号	XXXX	
吴国强	男	45	工人	XX路XX号	XXXX	
孙小华	女	30	护士	XX街XX号	XXXX	
郑大刚	男	55	农民	XX村XX组	XXXX	
冯小芳	女	40	会计	XX路XX号	XXXX	
陈伟强	男	35	工人	XX街XX号	XXXX	
周丽娟	女	25	学生	XX村XX组	XXXX	
吴国强	男	60	干部	XX路XX号	XXXX	
孙小华	女	35	教师	XX街XX号	XXXX	
郑大刚	男	42	工人	XX路XX号	XXXX	
冯小芳	女	28	学生	XX村XX组	XXXX	
陈伟强	男	50	干部	XX路XX号	XXXX	
周丽娟	女	38	教师	XX街XX号	XXXX	
吴国强	男	45	工人	XX路XX号	XXXX	
孙小华	女	30	护士	XX街XX号	XXXX	
郑大刚	男	55	农民	XX村XX组	XXXX	
冯小芳	女	40	会计	XX路XX号	XXXX	
陈伟强	男	35	工人	XX街XX号	XXXX	
周丽娟	女	25	学生	XX村XX组	XXXX	
吴国强	男	60	干部	XX路XX号	XXXX	
孙小华	女	35	教师	XX街XX号	XXXX	
郑大刚	男	42	工人	XX路XX号	XXXX	
冯小芳	女	28	学生	XX村XX组	XXXX	
陈伟强	男	50	干部	XX路XX号	XXXX	
周丽娟	女	38	教师	XX街XX号	XXXX	
吴国强	男	45	工人	XX路XX号	XXXX	
孙小华	女	30	护士	XX街XX号	XXXX	
郑大刚	男	55	农民	XX村XX组	XXXX	
冯小芳	女	40	会计	XX路XX号	XXXX	
陈伟强	男	35	工人	XX街XX号	XXXX	
周丽娟	女	25	学生	XX村XX组	XXXX	
吴国强	男	60	干部	XX路XX号	XXXX	
孙小华	女	35	教师	XX街XX号	XXXX	
郑大刚	男	42	工人	XX路XX号	XXXX	
冯小芳	女	28	学生	XX村XX组	XXXX	
陈伟强	男	50	干部	XX路XX号	XXXX	
周丽娟	女	38	教师	XX街XX号	XXXX	
吴国强	男	45	工人	XX路XX号	XXXX	
孙小华	女	30	护士	XX街XX号	XXXX	
郑大刚	男	55	农民	XX村XX组	XXXX	
冯小芳	女	40	会计	XX路XX号	XXXX	
陈伟强	男	35	工人	XX街XX号	XXXX	
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吴国强	男	60	干部	XX路XX号	XXXX	
孙小华	女	35	教师	XX街XX号	XXXX	
郑大刚	男	42	工人	XX路XX号	XXXX	
冯小芳	女	28	学生	XX村XX组	XXXX	
陈伟强	男	50	干部	XX路XX号	XXXX	
周丽娟	女	38	教师	XX街XX号	XXXX	
吴国强	男	45	工人	XX路XX号	XXXX	
孙小华	女	30	护士	XX街XX号	XXXX	
郑大刚	男	55	农民	XX村XX组	XXXX	
冯小芳	女	40	会计	XX路XX号	XXXX	
陈伟强	男	35	工人	XX街XX号	XXXX	
周丽娟	女	25	学生	XX村XX组	XXXX	
吴国强	男					

<221> misc feature

<210> 463

<212> DNA

<221> misc feature

<210> 464

<212> DNA

<210> 465

<212> DNA

<221> misc feature

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aaatacaata	attgcaaagg	aagtggaacg	tgttcaaaca	gaaatggtga	caatgagtta	120
gaactgcagt	tntttcaagg	tactacacta	ttatttaaaa	aaaaaatcac	aaanagaaaa	180
atgttatcac	tacaagtagg	gatttaggaa	gngagnaaat	tctgggcagt	ctgtctagna	240
gggttaaaac	atttcatggc	atttgtgagt	tgctgttgga	gagttgtttt	ttatttgtcc	300
accgtaatct	gggcaacatc	cgggggctta	ccttcagctc	tcggcaactgt	gcg	353

<210> 466
 <211> 378
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 466	acaatctgct	tcctctaata	tatccccagt	ctaaggcatt	taaaattaaa	cagctcttca	60
	acgccccaa	gttatttcac	aggctaagaa	cttctccgag	aaacgcacaa	gaaggcaggc	120
	aaacaggtgg	gtaggtgaga	gggtcacggg	ctccatctgc	aagctccatc	tacaaggcat	180
	caatctgctg	tgtggcatca	acgttaaaat	gttctacagc	ttagggatct	tcttgaagca	240
	aggttccaag	cacaaaacta	gtatgaccgg	aggcttcaat	ttagaagatg	cagcatctga	300
	aaacctttac	cccaggaag	gaggggtgcc	tggctgggat	tncatggggc	tctggaacaa	360
	gcattttatt	caaagctg					378

<210> 467
 <211> 375
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 467	agcantgccc	tctccccaca	gtaataaaaa	gcactgtaca	taatgccctg	ggaagaagtt	60
	agacatgaac	tccaataact	caggacaagt	atggttctca	aagtgtgatc	cagggaccaa	120
	ccctctgagg	aagtccacga	gggtcaagcta	ttttcataat	actgctacac	agatgttatt	180
	tgtccctttc	actctcattc	tctcacaagt	atactgtaga	gttttccaga	ggcttcatga	240
	agtgtgtgtg	gtgacattat	tgtctcccang	gctaattgtaa	tgtgtgcatg	tgtattttatt	300
	ttaaaaatgg	attcgcttta	atttcnagta	tgggtaagta	tccaaagnac	caaataataag	360
	caaagcncct	tgaga					375

<210> 468
 <211> 372
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<223> n=a,t,g or c

<400> 468
agaacaaaat atattttatt ttaattatac cagcacagta aggccccagaa agaccatgga 60
gttgcacaaa gaatgttcag caccagcaag ataaaacaga tactggcagt cagtgctaac 120
ggctagcaca caagcccctg ccgcatttgt atgatctgga gcagancctc tgaacatctt 180
catccatgtg accctgtgca gcactaagaa ggtgtgtccg ataaattgca attacttctt 240
ggtgctgtct gtcagcatcg gccagctggt gctccagaga tttcacttgg tgctgcagag 300
tgtcaatcag ctggctctgc ctcttggtgg ggttcccact tgtgtagggt agttgggaaa 360
ggccattgag tg 372

<210> 469

<211> 544

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 469
ttaattttaa gaaaacttct ttattaagta aatggacagt tggtagacag atattgcaaa 60
aatttcgagg cgggtacatg aatgactgaa attcaggaga cgcggggagt tagcacagaa 120
gcactttcct cattcagagc tcttttggtc gcgagaaaca gacacccaat caaatcagct 180
tcancaaaat gagagaatgt atcctgacaa gggacgctca cagggcctaa aggaagagtg 240
ctgggccccct ggaggactga ggggaagccgg cagtccctgg aggcggtgcc ggctgctctc 300
caggcgcctg tgattcctct ggtccctgcc ttgctatgct tatcttccct ctgagcagag 360
ccattttctc taccacattc atgcagggtgc ccattccccg gaacacacac agacaaacac 420
acacacatgg acacagtcac agctccagggt tttctatgtg ttcaggtaag gganctgcaa 480
agcctgaaca gcctccctaa atctagatgc ccanttttat cctttcagct ccattcagang 540
atca 544

<210> 470

<211> 138

<212> DNA

<213> Homo sapiens

<400> 470
ttttttcatc accatagttt ttaatgaaga aacttgttta aaattgtaaa ggaaaaaatg 60
ggaatgggac ggcaaaatct tagcagcaaa gtggttaaag aaattgaaaa tattaatgca 120
caaacattaa aatattaa 138

<210> 471

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c


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<400> 471
cgttgtaatt atttattctg ttactggctg cttagtgtga catatttgat gttatttcaa 60
ttgtaataact cttcaaattg gaacactcct tttctgatat tcttagcaaa tccctctttt 120
atTTTTgcca cttgttataa tatctctaag aagttactcc aggaccgggc agtagggatt 180
actgattcag atgggtccag tgactagaat atgagtagaa agtgtgaggt ctaatttgaa 240
cctgtcagag ttactgttgc ctgcgctggc ccaaagtgca gatttttagt cagcttgtga 300
taggccaggt gttttgtctg gaccaggagt tatctttgac ttgtagctag aataaggatc 360
ctgagaagtc aggtatccac ttgatgtcct tttatttgac ttgttaccat tagtactctc 420
ctgggatcaa ggctgccaac cgaacctata nccagattt ccc 463

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<210> 472

<211> 306

<212> DNA

<213> Homo sapiens

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<400> 472
aactttactc ataaaatttt atttgaacaa aacaattttt gaaaatataa aaatttcata 60
agaactgctt tcctgttaga taaaaaattt attttaaaaa taaataatta tattgacctt 120
taccatcact tgtctaaatt ttactcatgt ttattgtcga agacacagag gtgaattaga 180
agagtatatc attatacatt gtcaaataaa gcgaaggttt ccttatccaa atagagagaa 240
tatatatgtg attacttaat ataaagcaaa agctatttct accaaagaac agacatgcag 300
ttattg 306

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<210> 473

<211> 447

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

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<400> 473
aactttactc ataaaatttt atttgaacaa aacaattttt ganaatataa aaatttcata 60
agaactgctt tcctgttaga taaaaaattt attttaaaaa taaataatta tattgacctt 120
taccatcact tgtctaaatt ttactcatgt ttattgtgaa gacacagagg tgaattagaa 180
gagtatatca ttatacattg tcaaataaag cgaaggtttc cttatccaaa tagagagaat 240
atatatgtga ttacttaata taaagcaaaa gctatttcta ccaaagaaca gacatgcagt 300
tattgatctg gaattggcat cgattacaaa ctactctngc aattcttctt ctccccatt 360
aagggtgtctc tcttgaactg gattgaaagc tgtttgataa gtatactttt ttcaagatgg 420
tgtgcncagt tggggggcct tttatta 447

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<210> 474

<211> 164

<212> DNA

<213> Homo sapiens

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<400> 474
gcattatttt aagatcttta ttattaagta actcactggg gttgtcaaag tatgttataa 60
aattacacag ataattagag atatatgtta catagaaatg ctgattttac actctcttct 120

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gagtacaagc atttgattac agaggctcat agcacaacaa aatg

164

<210> 475

<211> 510

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 475
tttttttatac aaacaagttt cttttattgt ttccacacat tcataataac tatagaacag 60
aaagattggt ttaatttgct gtcctacttc ggtgacctga tgaatacact ggtaacagtc 120
cccagtttga gtaagatcag ttgaagccct tactgtataa gtccaaaatt taagaaaaat 180
gaatctcacg atgagcttcc tcaggcttcg gccgtgcgtg gaccagtcag cttccgggtg 240
tgactggagc agggcttgct gtcttcttca gggtcactct gaaaggggtg tctgggcttg 300
gtcttgccct ccagggttca cgcgctgcag gttttacatg gctgtggtgg atccaggctg 360
ggattccttc tacttcacag cgggtgggagg gctcagaacg acagctgggg tctttccaca 420
gtggacacaa agaggtacgt tccagttctt gatcaaang atcactgggg agaaaagggtg 480
aactggggag aataantaac aggccattta 510

<210> 476

<211> 348

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 476
nctttttaat aatttcagaa taaagtctca tttcagtgcg gtgggctggg tgggtggggga 60
gaggggtgaa agccccactt ggggtcccca ggggtccattg agccctctca ggccagctcc 120
aggaatcctg ggcttgggtc acagagcaga gttgcttgca gggctcctagt ggccatcggg 180
ctggggcagg acatcatctc tcagaggggtc agaggtcag agctgggtgc agctcagcag 240
gtcacggccc tccaccagct ctgggttctc ccgcatcatg tgggtgggct gctttttccc 300
ccaccagggg cctnagctcc agcagctngg tggggtnagc ttagcaac 348

<210> 477

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 477
aatatcttag ttttttttat ttcccttgca ggcaatctct ttgaacagag gtttattcaa 60
tgaaggaaag gtggagggaa gaagggaaga attacaatgg ttagaaaaga gcaactaaag 120

attattttcta	ttatacttct	gaacggtaaa	ctagcaattt	taataaatat	tgggggtccac	180
ttaaattctat	taaagcagaa	agtgtaaagc	tatctccatt	agtgaagaga	tgaagtgaca	240
aaaaccaatc	agtttttcta	ggcaactgat	ttaggaaaat	cttgactga	aatcaacaat	300
tagacttgca	catcatagga	ttttcaaata	tttgctgaat	tggaaaagga	ntttttcccc	360
ggggattttt	tncccccgag	ggggtccttn	ttccaatggg	ggacctccgg	tntgg	415

<210> 478
 <211> 396
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 478	tttttttttt	nctgcaaaaa	gcctttaata	tgccctggnc	ccaggctgtg	ttcatgaaaa	60
gcggacacag	cagtgtctcc	aacttcaatg	gttcccaggt	tcaagggtcc	tcccagcgga		120
ggtgggaggg	caagccctca	cacctggcac	ccctgaagtg	catactcctg	gaggaagtcg		180
ttgagctggg	acaggctgcc	cgntggcgtn	gctccggaca	aggctttcag	agggcattnc		240
ctcgatccag	ctattcgagt	ccagcaggta	ctggggggtt	ccctcgaggt	cataggtggc		300
cccatntaga	cccatgatca	aatattcttt	cccagggtcc	aagcgaaggg	gccaggaggt		360
tgaaccagg	nanttncgca	tctgattagc	agcggc				396

<210> 479
 <211> 322
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 479	tttttttttt	tttttttttt	tttttttggg	tggggagtag	ggantttatt	ttattgttct	60
ggtgtctggg	ttggttcctt	ggacgtcacg	gttcctggat	gggggtgggt	gggtccact		120
ccctaagtca	tgggtccacg	ggcctnttgg	gatttttttc	cagggtcaaa	gtgcactgag		180
aaagcttcac	agttttaata	cttcctagat	gctcaactga	ggcaaagtga	caaatggcc		240
ctcccacccc	cgcccgccac	aaaantaaaa	tcccagccc	ctggnagctg	ctgctcagcc		300
cttatgaaaa	aataatacaa	ac					322

<210> 480
 <211> 330
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 480
 accacgggac nttttttaag tttattctag ggtgagtggg tgcccaaggg gggcagttga 60
 gtatggccga ggtcacctgg tggcaggggtg ctcagggatg gccacagggt ctatagggcc 120
 ctgcagctgn aantctctag tcagttggga tgcttcacct tctgcccac cccaaggggt 180
 ttgggcaatn catggatgta gtagttttcg taattcgcag ggatcagtga tgggcactga 240
 gcaggcttga ttctcacaca catatgcagt ggccctgggtc ttccaaccgt cggagggtac 300
 tcaggaaagg cancttgccg gacaagaagc 330

<210> 481
 <211> 207
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 481
 ctggacagcg ggcagcacca ggcgggggac agtgtcttcc ttctgcagga gcagcgcgng 60
 gctctccacc acctcctctc catccttgggt ccagcgccacc tntgcccagg gccggcatag 120
 ctcacaggtc agcaccacac gctccaggcg caccggctgcc acatacacct tgccgctggg 180
 atacacgata caccaggaga cgtctgt 207

<210> 482
 <211> 391
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 482
 ttggtatana agttttttat ttcaaatgc aaaatgggtg tcattgtaat aattaataat 60
 aataacataa aaagcattta tccttcctcc ctagtgc aaa atggtagacg catttagata 120
 attcacacag tgttggaat gtcacgacaa tgcagtgtg cacagagaga tactcaatcc 180
 caaactcctt tgggtgatgc ttgtggtagg tcagttctag atgtcagcgg tttctctgaa 240
 gttaagtcca aataaaaaaac agcacgtgct cctgcactct cccagcggag tcaggctcct 300
 gtgcgcgcgc cccctctggt ctctcccttc cttctcggtc tgtctctgtc tactgcgtnt 360
 cccctccact ccgctggtct cccacagttc c 391

<210> 483
 <211> 465
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

cagtaacatg gcccccatat ctctagtatt tcaatgaaat aaactcattg tgaattcacc 180
 ccgagttgtg tttataaata ttagacaaac cacaaaatat attccaaata cataacattt 240
 tacaatattt ttcaagcaca gacaaatata tactttactt tacctacatt gttttcatga 300
 tccaacttgc attagcacta aaggcaatat tgtgtgtgta t 341

<210> 487
 <211> 376
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 487
 agctcatcag ctatcgttag tgtattttat gtggcccaag aaaattcttc ttcaaagtgt 60
 gccaggggaa gccaaaagtt tggacacctg tgatttacag gttatgccta gatctgaaac 120
 agatcccat ccctcctaaa gctcgccac tggttatggg ccctgtttct cttagaaaca 180
 ccacacacat catttgggaa aagcacactg agtagaaaca tggcctgaaa ggggtgggtggg 240
 cggtggacct ggcttcctgt ggccagaggt cagcggacga tagaaatggg ctgatcggcc 300
 acagcaaaga cttgggaaga ttgggccccg ggaaggacac attgattggg cacagagcac 360
 tgtgccggac gngggc 376

<210> 488
 <211> 525
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 488
 ggtttagcaa aattgttata atttctttta aataaccac agacacccat cgacacttcc 60
 aaatttacag agcaaaaaag tgatttgcag ctggttcctc cagggaattg gccccgaagc 120
 tggctcagtt cacctccagg acctcagtt cggggaggcc gaacttggtc ttgtgcttgt 180
 cgaagagctt caccagggcc tccatgtaca tgggtgtggt caggtcgatg tcttgctggg 240
 ttgggtgctc cagcttgggg atggtgatgg gctctccac aacagtgggt gatgggcttg 300
 gagtagggca ccagcccca aggtgtcgga ggaagaagag gcctcgacca tgggaagatgc 360
 atggggcgaa accaatgtat ttctnngaac ttcttctggg acccatcggc ccaggagacc 420
 ctctcgaag atcacctgct ttgtacactt tcattctctc ccaaaggggg tagatgggaa 480
 ccaggtcagc tcccatgacg cagggccag ttttnaaaaa aagcc 525

<210> 489
 <211> 470
 <212> DNA
 <213> Homo sapiens

<400> 489
 tggaaatcag aggtgaatat ttatttaatt catatataaa ttttacataa tattcatggt 60
 gctataaata taggcacatt ttttaaaagt ccagatacat ccaaaaatta cccctcact 120

gtagcctact	ccaatccccct	caagacggaa	tatctaacag	tgtttggaaa	acaggggtcca	180
gaaaggccct	gcccattaat	tttaaaactt	tctgaccatc	aagaccattc	tttcctgctt	240
caaccaagca	gagtcaacaa	ggatcatgtg	ttttcagggt	tttaattgca	ctagttgatg	300
aattaagtaa	atgcctctgc	ctgggtagtt	tgtaataggt	ttatgggttt	ggtttctcct	360
acttagttca	agtcagagaa	agaaaaacca	atatctatat	tcctattggc	cttctttaaa	420
tccctatgag	atggcttaaa	aggatgtcac	tgcaccagag	gactcacttg		470

<210> 490
 <211> 553
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 490						
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cattggatta	gaagaatgac	acagggggca	gcaacactct	cgcaccccag	cctccantcc	120
ctgacnctgn	gangcagggc	cgatcgggtg	gnannngnnn	ngtngttcca	tgagttcgnn	180
tcagaancct	agnccecgga	ttctggggccc	ctggctcttc	cagagtccac	attcaaggca	240
acctgagcac	aggcttgagg	gagagtggag	aaaggccagg	aaaggatgcc	cacactcttg	300
cctgccaggc	ccaggaccag	ctctctccta	cactnggacc	caatttcctt	ctggatcaca	360
gagctggtct	ggatcaagac	aatgtggaga	tctgggtgtg	aggctgtggc	aggtgangca	420
gccgggctcc	ctggttagac	ccccaggctc	tcttttagcac	nagatgggca	ctttaccaac	480
aggtttgggt	aaaaatgtct	acngagagct	atgcacaacc	tgggtncctt	tctgggctcc	540
taaaagtcaa	ggg					553

<210> 491
 <211> 476
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 491						
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gtgatatctt	ctttagacat	aatgctatta	agagcacatg	ctttataaaa	taaaactggg	120
ctcattcata	tcagggtgcag	aaagccagtc	ctgaaagcat	agactatccc	ttattctggc	180
tgttattaag	gaaaaaattc	atttaaaaaa	tacagtaaag	attgaaacca	agtttactgt	240
ttcttgaaca	gaataggaag	aaaatatatt	aaatggctga	gctggtcatt	agactattac	300
tcatttatct	taaaggcaga	aacttgtcaa	cccaactacg	tgaaacagag	aagcatgatt	360
tgcttaagca	ggcgacatta	gagttaggcc	tctccacnng	gagcttcccc	gaccgtcagc	420
acgtggcaga	cagggatgcg	gccccatcatt	ccgcagggaa	gaaccggccg	ggccgg	476

<210> 492
 <211> 455

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 492
 ttattttcctt agtttattaa agatgacaat gaactgccag gctgcacaag caccacagca 60
 ggtggaaacg cagttcagag cacgggcggc acacacggaa catctctact aagactcgca 120
 ctcccttttat gttagttaa cgaaagctct aaatccttgg cagagaacgt caaaaacagc 180
 ctcatttaag tggaaaatat ttgtcttcca ctctctctgct atgtcttgaa tcttgtctcc 240
 acctggtaag caaactatgt tttttttcct tccctttact tacagaaaga acactatcac 300
 ctgccttcat ttagaaggaa ttctcttcag tgcattcaaa gcttctcccc ngcaacagca 360
 gggggatttt cagatagtgg taacttgcaa agtgcttcca aaacatccca tcctctaccc 420
 actttccccc ctcttggaat aaataactgg ggnng 455

<210> 493
<211> 580
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 493
 tttttttaa aaatttttta ttacaatgac aggaagactc tggatacaaa cacatttgct 60
 aatataatca ctccactggt tacctaggcc tagacgtaca aaaggacacc catatctcat 120
 caggagaaaag acaattttga gtttctgggt gtagtaccaa gtggttatga tcaccacgta 180
 cgtggtctat ccagttaact gtgtggcaat ttgctatttc aagtcctctc ataacagaaa 240
 ttactgaaat atgtggaaca ccagtcaata taaagaattc attttttaaac agactagtga 300
 atttgtgtca taaacacact tgcgtatgga tattaggaga gcattgcttg aatatctcta 360
 aaactatttt taggaattaa aagctttcat agttaatggt atgatattgg ccttcagaat 420
 tcatattgat aaaagcaaac cttagtcatt taacaggaat gtttaaattt tagagattct 480
 aacatgcgat gccgaaaaat cctaacattt ccacttagta atgtcagggg tgtgccagtt 540
 ctaatttccc atagctagta acatcagaaa atatntatca 580

<210> 494
<211> 473
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 494
 ccgataatga ctttatttta acatatttaa ttacagacat aaaatagctn nggagggggg 60
 tgagccccag ctagcccca ccatgggntc atnaggaggg gaggcgcagc ggggccccct 120

gctgaccctc	tctctggggg	tcttcctatg	gcggggccta	ttgcttgagt	gggggaggag	180
ccatgcaa	gaggggggca	gagaagacgg	tgacacagcg	gcctccgtga	gccacctcgt	240
agccctcgnc	cttgacttcg	tggtcncgga	tgatatagtc	cagggttggtc	tcttccaaga	300
aggccttggt	gacgtcaggc	ccaaactgac	agctcacgcc	cgnttgctga	ttcgagccgc	360
cgttctgttg	gctgtggatc	tgancaagaa	caaggtcaca	catggggccc	tgaatcttgg	420
gggttttcga	ttccgctcaa	attttccgga	tgtcattcan	ggtganaccg	gtt	473

<210> 495

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 495	tttntntgca	aagagaaata	ggctcgttta	ttnattcatt	gatcaactgg	cacttcttga	60
	aancctgctg	tgtgccaaagc	ctttcccca	aggaggatat	cagtgnnnna	gnaagtctca	120
	gggtggaaag	gacctggacc	acacagagca	ggactccaga	gcctcccca	tatggcagga	180
	atcaagcttt	cacaggggaa	acgcaggatt	tcccacacat	gcccattgaa	cacttcaagt	240
	cacgcttgca	ctggccatcc	atctcacaga	aattgggggg	gttnagcatc	naacattggc	300
	canaantcac	tnggnacttn	ccaagggttn	cnccttggtg	ggnttngggg	ggttnnacagg	360
	ggncccggca	nttnatgcnc	caagtttcng	ggcaaanatt	tcttttttcc	c	411

<210> 496

<211> 353

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 496	gaagttataa	aagcttggtt	ttctttatta	gaatactttt	ttcaattctg	atttgtcaca	60
	atttagattc	tttttctaag	aataagcaga	aatttacaaa	atttaatttt	tatttataca	120
	ttcatccgtt	caatacacat	ttcaagaaag	ctgtattgna	ccccttnnag	tnggtaagtt	180
	ccagggccaa	agaacccaaa	taaatccaag	gagagagacc	aacaaatgta	tatttataac	240
	acagagtaat	aaaacacaaa	taaatgtgga	gttatattaag	catgtaagat	ggtacatgct	300
	ctaccaaggt	atggggggctt	ctctaagaca	caagatcaga	ttaaagtctt	gaa	353

<210> 497

<211> 253

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 497
 atagatttca cgtttaatat gtaatggaag ctctgtaaca tgagacagat agcaagcacg 60
 gactctgctc actggtcgat gatggagcgc tgcaaacacct gattcatcat gtcctcttca 120
 tcaacatcat aatccacaaa agtctcannn ngaaaaccgg tgccggcgct ggatgtgctc 180
 tctgaagttg gcgctgcggn agttgggggt ctcccaaggg catcgcgga catatnggac 240
 aanccacagn ttt 253

<210> 498
 <211> 412
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 498
 gcctggctct gctcagactt tgaggagccc tcaggcgngt gtcagctgtc gctgatgggc 60
 cttgtaatca aacttgtagt aggtgtgcag gatgcgcana ggntagatgc ggcagacctc 120
 ctcggtagt cccttctcct ccaggtagcg ctgcacacgc tcgatgatgg cacacacctg 180
 ggcctcatcc ttcaagtgtc ccacgtactc ttgggagtga gggtcangta ttntgcatta 240
 ttttggtaaa ttcttcatcc attcgttcca ccagagttag gatgcagcca cggacacgca 300
 nggcttggtc agcgttngtt gcagggttctc antctcttcc agaattattct gctccaacaa 360
 aaatgtttgn ggatttggca aacagggata nccatcagct cattggatgc ag 412

<210> 499
 <211> 446
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 499
 cagagagcaa atcccattta ttggaatttc actgacaaca aattgagagg aaggcttccc 60
 cctcccctga aacatgccat cctctctgcc ctccagntcn agcacaggga taagaacccc 120
 actccgcatg tccccagagg cagcactcca nnnnggtngg ggggagggga ggggtgctct 180
 acgccaggct ggggagctgg gacaggaggg aagacgtgca ccctcacctc ttggctcaat 240
 ccctctcccc gggacctggt gctgccccca gtccctgggg tgngctggna nanngggctc 300
 atgcaacaat tgagtagaca ggaggtggca cggaaacgtg gccttggtgc cccttggcgg 360
 gggcgggagg actaaagggg ccatgctgtg gccacagcgg gtccaaatgg aagtatctgc 420
 agtgtacata caggagggtt ggagat 446

<210> 500
 <211> 394
 <212> DNA
 <213> Homo sapiens

<400> 500

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tacttttttt taaaagattt ttttgtaaag aagggttgta ttttagaggcc agtagctaga    60
gatccaacca gtggacctct tgaagcacta ccaggcctta aggcaccatc cgagggagac    120
tgggaaaact attattcacc caagcctccg gaaatgtaat gtaccagcag gcaaaaaaca    180
gttcttcatg tagtacaaaa tgaaacgaaa caaaaacaaa aacagaaagt aaaaatgaaa    240
ccaaaacatt tcttaaattc tagtgccata gcttttttgt ttgtttgttt tttgttgttg    300
ttttgttttg ttcataagaa agagagaaag atactactta tccgtcagac acatgcatcc    360
tcatgtggtc gttgaactgc tccgatttgg tcaa                                394
```

```
<210> 501
<211> 346
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<223> n=a,t,g or c
```

```
<400> 501
tttttttttt tttttttttt ttaaaagact aatgtaactt cttttaattg tcattttatg    60
ctttctgcag ctgcccgcc aacctccctc ccttggatga ccacttttgt aggctatagg    120
ggaccagggg acaaagctg tttgnnnnnn gggngggaca nannancccc aatcanntgn    180
nnnanannaa gctanaatta caaatnnann acaanaanta atgctgannn ctgggagagc    240
tgcanagnng ggaggccgc tcctctttgt caggtctat ttggcagtga ccttgctctg    300
aaggcgatgg tactccttca gctgacctng gccaccccg atngaa                                346
```

```
<210> 502
<211> 234
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<223> n=a,t,g or c
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<400> 502
gtgatttatt tgcaatgggc acagtgatgc aaaaacaaga tattaagact ataaaatatg    60
tgactacaaa gaaccagcga aataaatata tagatattag atagtccaat aacttaaggc    120
ncccgatgaa cgatncgagg gatccgcgcn cacnggaagt tcttcttgct gcagggcttg    180
gagagcgccg gccacgtcct agcctcggtc cgactcgtcc agcgtatggc ccgc                                234
```

```
<210> 503
<211> 451
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<223> n=a,t,g or c
```

```
<400> 503
tttgcaatcc tcaaaccgtt tattgacagc acaaggctca acagcaggtg agcacgtgag    60
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ggtgngaagc gcttgnaggc agtgtgggca ccaggcaggg gatcccggag aaagccctct 120
gccagggaca tgggtgagggc gtggcatcac cacgaaggga gcataaataa cactggcagg 180
tgggtgggca gcaggagagg gagagcggac annacacggg gacacgcagg gtcggcggga 240
aaatgctggg acagggtcac acggggattc ggacacgcag acacagaagg gatcatggga 300
cgcccagagg atgccagagg gggcagacac accagagact cggggatggg catggtgctc 360
tgcccgtggg ggcccctcct ccaataactcg ccctgggctt tgcaggcagg actgggcggc 420
tgagcactct cccagcagag ccaagcaggg g 451

<210> 504
<211> 437
<212> DNA
<213> Homo sapiens

<400> 504
cagttaattt agaaagttaa ttttgccaag gttgaggaca cactgtgaca cagactcagg 60
aagtcctgat gacatgtggc caagatgggtt ggggcatacc ttggttttat acattttagg 120
gagacataag acattaatca atatatgtaa gaagaacatt ggttcagtgg ggaggagct 180
tccagggtcac agataggtga gacacaaaca gttgcattct tttgagtttc tgattagcct 240
ttccaaagga ggcaatcaga tatgtatcta tctcagttag cagagagata actttgaata 300
gagtgaggagg tgggtttgcc ctaagaagtt tcctaaagct tgagttttcc ttagtgattc 360
tggggcccca agatattttc ctgtcacagt tgacatccc aacacagtgt ttagggctca 420
gaaaaagata ccctaaa 437

<210> 505
<211> 565
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 505
tttttttttt ttttttaata aaaatcttta tttttttatt aaaaaagaag tactttggta 60
gctattttaa taagnnnggg gtgggaatga atgtcgagat acgagcacct gcatctttta 120
gtcaattgtc agtggagtcg gtgggggtgct aagtgttctg aactgaagta ggtgcactaa 180
ggttccaagc tccctgcaag gatctggacg ggaggaaagc agaggccctg aagggaataa 240
agcctgcttc ccaataactta ttttttatta ctgtacaaaa agcacactct ccctcttttt 300
gtctctccca ccaacggcac cccccaccc ccaacccaag aggactatac atggagtgc 360
gggacagagt tgaccaggag gcctttgtcc ggcaccctgc ccacaggctg agctcagccc 420
caggcccttt caggcatcta gacactccca tagcctggtc angtcggggc aaggagatn 480
ccaggtcaca catacttccc tgggaagagtt ggacttaggg gtaagagccg ggtgcacggt 540
anccagnctt gctctcattc ccang 565

<210> 506
<211> 440
<212> DNA
<213> Homo sapiens

<400> 506

agttataatt	actttattaa	ccttttggtc	tttcaacatt	tagatagtct	ttcttaatat	60
ttccaggaga	gtacctcatt	tttattttga	aaaccattca	gcacatttat	cttatgtaac	120
atgcagagat	attatctatc	tgtattttta	aaattttcct	gttactcatt	gatacatagt	180
acttaattac	atgttattcc	atgtacactg	aaaacaatat	aggaaatata	tacatctaag	240
acttctactt	tgtacagtct	ttcattaaat	aagaatactt	acacatacat	tttcagatat	300
ttctaccttc	ctgtatgtgt	ttggaattgt	atgtaggtag	ccactgaaag	aatttggggc	360
ccttgggagg	atggcagtgg	aagtccatga	agtaaagagc	attctttaaa	aagcagattt	420
gattgcatac	cttttagtta					440

<210> 507
 <211> 427
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 507	tttttttttt	tcntcccttg	nacnataaat	ttttattggc	aggtcaggan	aagagcnggg	60
ggtaaggggc	ccttccttnc	catccctcta	cncanaagac	accctccana	gganagnaga		120
agccccagag	cctgctgcct	cagaggacct	tggaggcaga	caaattgttg	tagtgatctt		180
cctgtccctc	gagcaggctg	cggttaggtg	gcaatctcct	gctccagccg	cgacttgatg		240
tccatgagcc	gctggtaactc	ctgattctgc	cgtcactat	cagctcgcac	atcgcccagc		300
tgggttcaat	accgctgata	agcgccctga	tatgcgccag	tgggctccaa	agcgcgccctc		360
cgtttctgcc	agtgtgtctt	ccaaggcagc	tttcatgctc	agctgntgac	tgcagctcaa		420
tctcaag							427

<210> 508
 <211> 452
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 508	tttgacaggc	tccagcgtgc	tgccatgtga	tagaagaatg	atttattaga	acaaattcca	60
tgacaaatca	tataaaataa	ccatttttccg	aaagacagcc	acaagaccac	ctgagaacga		120
atgtacagtg	aaccttccga	gaagcccggc	aaacaaggac	cagttcccag	gcaaaggctg		180
ganggggagg	aacaaaggag	ctcagtgtgg	ggaggagcag	gaacttgtga	acttaaaaca		240
ttgcacagcc	actgccgagg	ggtgggaagg	agccgtggat	gaagccgtga	ccacttcatg		300
tccaggggca	ggcggggttg	gggcaactgg	gncattgcag	ggggtgggca	gcaagccggt		360
tggaccggtt	aagccacctc	ctccattaca	gacaggcagg	ctcttggggc	cggggaccag		420
gggggggntc	acctgncaac	ccggggcccc	ct				452

<210> 509
 <211> 291
 <212> DNA

<213> Homo sapiens

<400> 509
ggccgggccc ggtggctcac gcctgtaatc ccagcacttt gggaggccga ggcgggtgga 60
tcacctgagg tcaggagttc gagaccagcc tggccaacat ggtgaaaccc cgtctctact 120
aaaaatacaa aaattagccg ggcgtggtgg cgggcgcctg taatcccagc tactcgggag 180
gctgaggcag gagaatcgct tgaacccggg aggcggaggt tgcagtgagc cgagatcgcg 240
ccactgcact ccagcctggg caacaagagc gaaactccgt ctcaaaaaa a 291

<210> 510

<211> 404

<212> DNA

<213> Homo sapiens

<400> 510
agttctccag gaatctaata tgggtgcttt ttaagaagag agccaccggt ctcagctaata 60
aatacaattt tcacaaataa atccaaaatt taaggtagga ttaaaaagga gtaaaccaat 120
acataaaaaa tgaaattgag aactgattta atactaaagt tctgaataaa ggtgtgcact 180
ttatgattga ttctatcttt ttgcacaagt tggatactcc agtttcccat cccaacatgt 240
tgttcgcaat gtgtgagaac gtgatgaaag acgatatccc cgtttacaca caaattcaac 300
tgattcacct gttctcgaat aaagcttctg tttggctgtc caccttaatg ctatgttata 360
attttccata atttctcggg atattacaca cggatgtaag catt 404

<210> 511

<211> 425

<212> DNA

<213> Homo sapiens

<400> 511
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gaggagaagt tgatctcctt cccacatcca cggaggctg cgtgaggga gcttggtcc 120
ccacaacttg ctcttctctc agccctgccc ctctcaatta aaacaatgct ttcttttttc 180
ttttcttttt tttgagacgg agtcttgctc tgtcaccggy gctggagtgc agtggcgcca 240
tcttggtcca ctgcaagctc cgctctctgg gttcacacca ttctccagcc tcagcctccc 300
aagctgctgg gactacaggc gccaccacc acgccaagct aattttttgt atttttttag 360
tagagacagg gtttctactgt gttagccagg atggtctcaa tctcccaacc ttgtgatcca 420
cccac 425

<210> 512

<211> 328

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 512
ggcatttccc caacatttaa tcaggaaaaa acattccatg aacaaagaaa aactcatgca 60
actaaagagg agagaacggg gggctctggga ctgtcagaca gggccagatt cctcagagga 120
ggcagaagac acagagtagt aaggcacggc cgccttggcc ccacagggcg ggcactggac 180

ggagcgggcg ctgaatgggg cggctgaagg agtcggagca ggtgcagaca acacttagga 240
 cgtttngcag taggctcagg aggaggagcg ttctagggcc cccatgccaa ngtcaggnc 300
 tggcacaagc ctgagtccag tcctccca 328

<210> 513
 <211> 216
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 513
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 gctaagggca ggtcagtcca gtgtgtgggc cgcgggggtc acaggcatag cagnaggagg 120
 gggagtnanc tacccccacg ggnccacccc nagcccagtc caggggtngg agggaggggg 180
 tgacccctgt cgaggtcctc aggcattctt ggctga 216

<210> 514
 <211> 325
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 514
 gtacaaaact ttgaattttt tatttgtgaa attaaaaata tggattata tatatataa 60
 ctctatncc tctataaata tagatgattt tgtgatagng ancagaataa atgtatacca 120
 aattcaaaga ccaatatcat tttagcgtat gacagacata gataaattta ggnccctaagt 180
 accggcattt tgataaattc ttaaagttta aaacantaca atcaggagga ttgcttttct 240
 cctcttcttc acagagaact aaagtgaata ttttttaa at ggctttgaaa gatttacatg 300
 ggacacattt ctgtaaatcc aaaag 325

<210> 515
 <211> 178
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 515
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 ggcctcccat gcgccaccct cgcccaccac actggggccg gagcagggcg gtcggctgca 120
 gccccgcta cttaaagggtg gactgcagct ccttgaaggc cgntttccgc tgcttcat 178

<210> 516

<211> 269
 <212> DNA
 <213> Homo sapiens

<400> 516
 CCCAGGGCAG tgggtgggtgc tttattttcca tgctgggtgc ctgggaagta tgtagacggg 60
 gtacgtgccca agcatcctcg tgcaaccgga gagcccgggg aggggctctg cggccgtcgc 120
 actcatttac ccggggacag gagaggctct tctcgtgtag tggttgtgca gaccttatgc 180
 atcacgggca tgagaagacg ttccccctgct gccacctgct cttgtccacg gtgagcttgc 240
 tatagaggaa gaaggagccg tcggagtc 269

<210> 517
 <211> 494
 <212> DNA
 <213> Homo sapiens

<400> 517
 ttttaactgag acagggtttt gctctgtctc tcaggctgaa gtacagtggc acaatcctag 60
 ctcaagcagt tagaatagga tttttgaaca taattaagca caataaaata ggtaaaataa 120
 aatacagtat tttccttgaa tttttatgtt aagtatacat atgtatatgt gtgtgtgtat 180
 atatatatat ttgtgtatgt gtgtgtgtgt ttcttctttt tagagccagg gtctcacttt 240
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 tccagtagca taatcacagc tctactgcagc cttgacttgc tgggcttgag caatcctccc 360
 aggagatcaa ggctgcagta agccataatc atgcaactgt actccagcct gggcaacagg 420
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<210> 518
 <211> 355
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 518
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 ggcaagntgt ctcgctcttg ggggacgcgc ggccggggga cgcgtcctgt gtccggcccg 180
 gggctcccag cgggctcccg cggcagggac aatggcaagg ccgctcacca cttgaggaag 240
 accatcccgg ccaggacggg ttagcccagc accaggaaga ggaccttgag cagacggtca 300
 ctcttctcct ccagctcctt ggccaggatc tccaggaagg tgatgaagag gaagg 355

<210> 519
 <211> 283
 <212> DNA
 <213> Homo sapiens

<400> 519
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cgtcacagac	cagggggcct	ccagagtcac	tctggcaagg	gtcctggccc	cgggccagtc	180
cagcacatat	catgttggtg	gtgaccacgc	cagggtagaa	gacctcacac	tctttagggc	240
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<210> 520
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 520						
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cactttggga	ggctgaggtg	ggcggattgc	ttgatctcag	gagtttgaga	ccagcctgag	180
caacacagcg	agacctggtc	tcaaaattat	tatacaatca	atgcaagtac	aaagattcaa	240
tttttaaaaa	tcaccagagt	acaaagacgg	ccacagcccc	tgcctgggtt	taacttacat	300
atatacagag	tgggcggggc	aggcatggcc	acagaggtgg	tattacaaaa	tatacaaagt	360
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<210> 521
 <211> 545
 <212> DNA
 <213> Homo sapiens

<400> 521						
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ggggttggtg	taattctata	accagtaatg	tctgggggtg	tgctcctctc	ccaggagact	180
gtgagcactc	cagtgtcagg	gtttgcctcc	agatgcaagt	ttgttggtgg	agacaatggt	240
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gtcacttctc	gtgggtgcctc	tcctccctgg	cttggtcgta	caccagctt	aaaaccaatt	420
cttggagcag	gcgtccatgt	gatcacatg	gtgggtctcag	tcacctcggt	gttgtaagggt	480
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ttgcc						545

<210> 522
 <211> 376
 <212> DNA
 <213> Homo sapiens

<400> 522						
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gccccagcct	ccagagcagc	tgggaccaca	gacacacacc	accacacccc	gccaatcttt	180
gcaattccag	tagagaccag	gcttcacat	attggtcagg	ccggtccgga	actcccagacc	240
tcaggggacc	caccgcctt	ggcctcccaa	agtactggga	ttacaggagt	gaaccaccac	300
acccggctct	gcctttcttt	gacccctccc	agactggacc	atcttgctac	tctctccagt	360
cgttttcacc	ttgatt					376

<210> 523

<211> 315
 <212> DNA
 <213> Homo sapiens

<400> 523
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 ctgggattac aggcattgtc caccatgccc agctaatttt tgtattttta gtagaggtga 180
 ggtttcagca tggtggccag gctggtcttg aactcctgac cttgtcatcc tcccaccttg 240
 gcctcccaaa gtgctgggat tacaggcgtg acgaccagg ccggctgtta tgctcatcat 300
 ggcacttaag agatg 315

<210> 524
 <211> 449
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 524
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 gangcaagta aggnccaggg cagantcggc ttcaatggaa caacagccca gtgccctaag 180
 gcccctaact cttgctggct gtttcttgac cccaagccag ggttgggagt cctctgggca 240
 tccatttttn ctaaagganc tggacagagt acacacagga aaggaagctt tcaccctctt 300
 gccatctggc tccaggggcc tccagtccag cattcctcct tcttcccttn attgggtggg 360
 gccacatgat gggcagccag gctctgggct gttcccacta gagcaggctg caaacacagc 420
 catttttcag tgaggcttga tcttcttna 449

<210> 525
 <211> 322
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> n=a,t,g or c

<400> 525
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 gagagaggca caagtcacag tcaggcaagg gaggctcagc ttcttgggcg gtggctnttg 180
 gggctccctcc agtnttcacc tgggaccctc ggccagggtt ggacanattc cagggaggcg 240
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 caaaaggagn tttcgggttg gg 322

<210> 526
 <211> 281

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 526
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atggtnttct gtgtgaaggc cagcgnaggg cctcgtggca nccatgcagg agaaggtntc 180
ccccttnttc cagtcctcgg ntgccacggc cagtatgntg gtcacaggaa ggtgggtggg 240
tgccctggct gggnttcctg ccgggatgcc caagttcagg t 281

<210> 527
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 527
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ngcgtgacgt ctacategg agttggctca gaccctggct gtgcatccat cagaaagtgc 120
aaggcccagg ccatgagctg gggaggaagc ctggnaaaga accacogctg caggtcaatg 180
gagcctggga ctagtgacca agagttgggg cagaccagg gcactcacct gacagcttgg 240
acccgagcac agagggacgt gcaggggtggc tcatactcat actgggaagg cagaaccatc 300
acgatgcctc tttggggggg tcctgaaagg ggtatgggtn tctgggggaa gagctaacia 360
ggaccccaac cccatccaag gctacccatg ctccctncca gg 402

<210> 528
<211> 441
<212> DNA
<213> Homo sapiens

<400> 528
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ggaagctcat tggctcggtc caaccccagt tccaccacca gcgacatcag cacttctca 180
tccactgggt ccgaatcgat gatagcaggg ctctgggcac cagcagaagg agagagtgat 240
tctgccccctc ccgcctgggc cccaaagtcc cagttttgca ggggtcctgc ctccccgggt 300
tggcctggag tggcagcagc atcccctgat actggctatt aagtttctgc agctgcatac 360
tagccagcaa gtgagggggc ggggtgcagg tgaaggattg ggggtttagt gggaggggtg 420
gttgtaggag agctatttgg a 441

<210> 529
<211> 383
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 529
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caacatacag aatattgaat taagaaaaga ggggaacgggg aaggggaangg aaacctcttt 120
gagggtccaaa gttgncaaca aaaaatggta aaagatttcc tcacgcaaga nggcattttt 180
gcaaatacca tgcaaaacag gcagctgggtg tgccttaaga gaatccctat aaataacaga 240
aaagacactc caagcattcc tgtacgtgga ctcagagcac agagaaaaga aactaaaatg 300
ccttttggat ttcaagatat ttggcactct tgtgattaca tttttttaca gtccattaaa 360
ggggaataaa ctgacataat att 383

<210> 530

<211> 488

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 530
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agccggaaca nagcccgggtg aaggcgggag gctcgaagat cccctcggga agggcggccc 240
gagagatacg caggtgcagg tggccgcggg atcccagccg cacttctggc gtgagtatcc 300
ggactgcagg ggccgggacg aggtcgggtg tcgaatcttc ccagctctgg ttggcccgcg 360
acctgggtta agcaggtcct cgtagcgttt ccgcaactct ccggaatctg gagtcttccg 420
gtgtgcaact ctgaatggtc ccgggaaact tgcgcggctc gcacccgnta aagacagggg 480
gcccccat 488

<210> 531

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> n=a,t,g or c

<400> 531
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caacttttagg tgttctgagc atgtttaagg taggctaggc taagccatga tgtttagtag 120
gttaggggta ttaagtgcac tttcaaatta ccatattttc aacttacaat agtttcaacg 180
ggaggtaacc ccatcgtaag tggaggaaca tctagtgcct ggcacacgag ccggttctca 240
ataaatataa ctcttctcca tcttcttcaa acctcaggcc aggtttcagt gacctcctct 300

cacttttctaa gattatTTTT gcttgctggg gggtttactg tcattttttaa ccacatctaa 360
cctaccttaa aaaagtgtat ggatgggggt gccaggtaca aagacttagc ataangaaaa 420
cgaccattta ctttg 435

<210> 532
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 532
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taagggactt tcctctctgc cattaagagc aacgatgctg accacatact ctgtgcctgg 180
agtgaggttg gtgaggggtga tggaattccg agagtggggc acccgatctt ctcgaggtct 240
ccactgaag tgctcgggat gatggcggat cctgtagcca gtgatgggtg ctcgaggagc 300
aatccagtgc acagtaaaag agttggcagt aatatccaga aaagtcaata cccatttggg 360
gantca 366

<210> 533
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 533
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ggaaacttg tattttgttc aatcattaag aagacaaagg gtttnttgaa cttgacctcg 180
gggggggatag acatgggtat ggctctaaa aacatggccc cagcagcttc agtcccttcc 240
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gg 362

<210> 534
<211> 364
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

<400> 534
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gccaagtatc	atgaacttac	gaagaggaga	taagagatct	gatcttttct	gtaggtattc	180
catctccagt	ttgtcatatc	tttcccgatt	actgggattt	atccacagan	ttaggctgag	240
gaaacataac	catccggggg	aggcantcga	tcagggggct	accaggctag	ctcgggtcac	300
ggatgttttc	ggagggtttg	gctggtctgg	cctgtggggg	attaaggccc	acctttcagg	360
ggga						364

<210> 535
 <211> 317
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n=a,t,g or c

<400> 535						
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caatagntgg	ttccgctgcc	tgaagctctg	agntgtattc	cagggcatga	gggaagcagg	180
ccaccaaagt	aaaggggaat	accaaactac	agtggcaatc	aatacagggc	aataattgtg	240
aaaaattagc	acatggttcc	cttttagttta	accaagcagt	tcagtaacta	tcaaaaggaa	300
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<210> 536
 <211> 445
 <212> DNA
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<220>
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 <223> n=a,t,g or c

<400> 536						
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gtngggttag	agttgggaac	ctatgaacat	tctntagggg	ccactntctt	ctccacgggtg	180
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aggctcaggt	agctgctggc	cgcgtacttn	ttgttgcctc	gtttggaggg	tttgggtggc	300
tccactcccn	ccttnacggg	gctgccatct	gccttccagg	gcactntcac	agctcccggg	360
tagaagtcac	tgatcagaca	cactagtgtg	gccttgttgg	cttgagctc	ctcagaggan	420
ggcgggaaca	gagttacagt	gggga				445

<210> 537
 <211> 385
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
<223> n=a,t,g or c

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nctggagntg gggctggtta cttggtgacg tgcagantct ctctgggggg ctgcagctca    180
tcttgggggg agctggactc agatgcccc gtangtgcaa aagcaacatc cacatctcac    240
tcctcccggt gctttttgcg gtattcctgc agcgtttctc cgccacgggc tccataaatt    300
tagggttctt cctgggagac ttctacaggg accgtcacag tgatgggatc agagtcaaag    360
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<210> 538
<211> 375
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

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<210> 539
<211> 420
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

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cacatctgaa atgaccactt ccaaagccta agcactggca caacagttta aagcctgatt    180
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acgagtcatc cgtagggttg gttcaagcct tcggtgacag agttgcccac gggtaacaac    300
ctntttcccg aaccttatgc ctctgctggg tcttttcagg tgcctccact tatggatgtt    360
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<210> 540
<211> 1201

<212> DNA
<213> Homo sapiens

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 actccagatt ccgagagttg cggaaacgct acgaggacct gctaaccagg ctgcggggcca 240
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 aagtctgtta tttattatta atttattggg gtgaccttct tggggactcg ggggctggtc 1140
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<210> 541
<211> 760
<212> DNA
<213> Homo sapiens

<400> 541
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 ccgccgagga cgcctgggt gccgcggcgc ccgcaccctc cgagccctcg gagccctcca 480
 ggccatcccc gcagcccaaa ccccgcacgc catgagcccg ccgcggggcca tacgtggac 540
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 cgtgcgcgcg gatcctcgct ccgttgcaac ggcgccttaa gttattggac tatctaatat 660
 ctatgtattt atttcgctgg ttctttgtag tcacatattt tatagtctta atatcttggt 720
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<210> 542
<211> 1105
<212> DNA

<213> Homo sapiens

<400> 542
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ctgttccttc ttctgcgcgg ctgcagctcg ggacttcggc ctgaccagc ccccatggct 120
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<210> 553
<211> 914
<212> DNA
<213> Homo sapiens
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<400> 553
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tattacagtg aaag 914
  
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<210> 554
<211> 580
<212> DNA
<213> Homo sapiens
  
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<221> misc_feature
<223> n=a,t,g or c
  
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<210> 555
<211> 2470
<212> DNA
<213> Homo sapiens
  
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<400> 555
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<210> 556
 <211> 577
 <212> DNA
 <213> Homo sapiens

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<400> 556
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<210> 557

<211> 3143

<212> DNA

<213> Homo sapiens

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<211> 927

<212> DNA

<213> Homo sapiens

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<211> 1594

<212> DNA

<213> Homo sapiens

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<210> 560
 <211> 233
 <212> DNA
 <213> Homo sapiens

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gtgacttttc tcttgagttg gcacatctaa atgaacaatt cacaatgtc attaaaaggt 180
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 <211> 577
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<211> 8448

<212> DNA

<213> Homo sapiens

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 <213> Homo sapiens

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<210> 569
 <211> 481
 <212> DNA
 <213> Homo sapiens

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 <213> Homo sapiens

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<210> 571
 <211> 1635
 <212> DNA
 <213> Homo sapiens

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<210> 572
 <211> 23822
 <212> DNA
 <213> Homo sapiens

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<211> 1799

<212> DNA

<213> Homo sapiens

<400> 576

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<211> 2259

<212> DNA

<213> Homo sapiens

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 <212> DNA
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<211> 756

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 594

<212> DNA

<213> Homo sapiens

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<210> 583

<211> 527

<212> DNA

<213> Homo sapiens

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